

Electrical installation solutions for buildings

Quick product references

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Quick product references

MCBs wiring diagrams

MCBs

| S 201 / S 301 | S 202 / S 302 | S 203 / S 303 | S 204 / S 304 | S 201 Na / S 301 Na | S 203 Na / S 303 Na |
|---------------|---------------|---------------|---------------|---------------------|---------------------|
| | | | | | |
| S 751 DR | S 752 DR | S 753 DR | S 754 DR | | |
| | | | | | |
| S 801 | S 802 | S 803 | S 804 | | |
| | | | | | |
| S 802 PV-M | S 803 PV-M | S 804 PV-M | | | |
| | | | | | |
| SN201 | S2011C | S202C | S203C | S204C | |
| | | | | | |

Quick product references

RCDs wiring diagrams

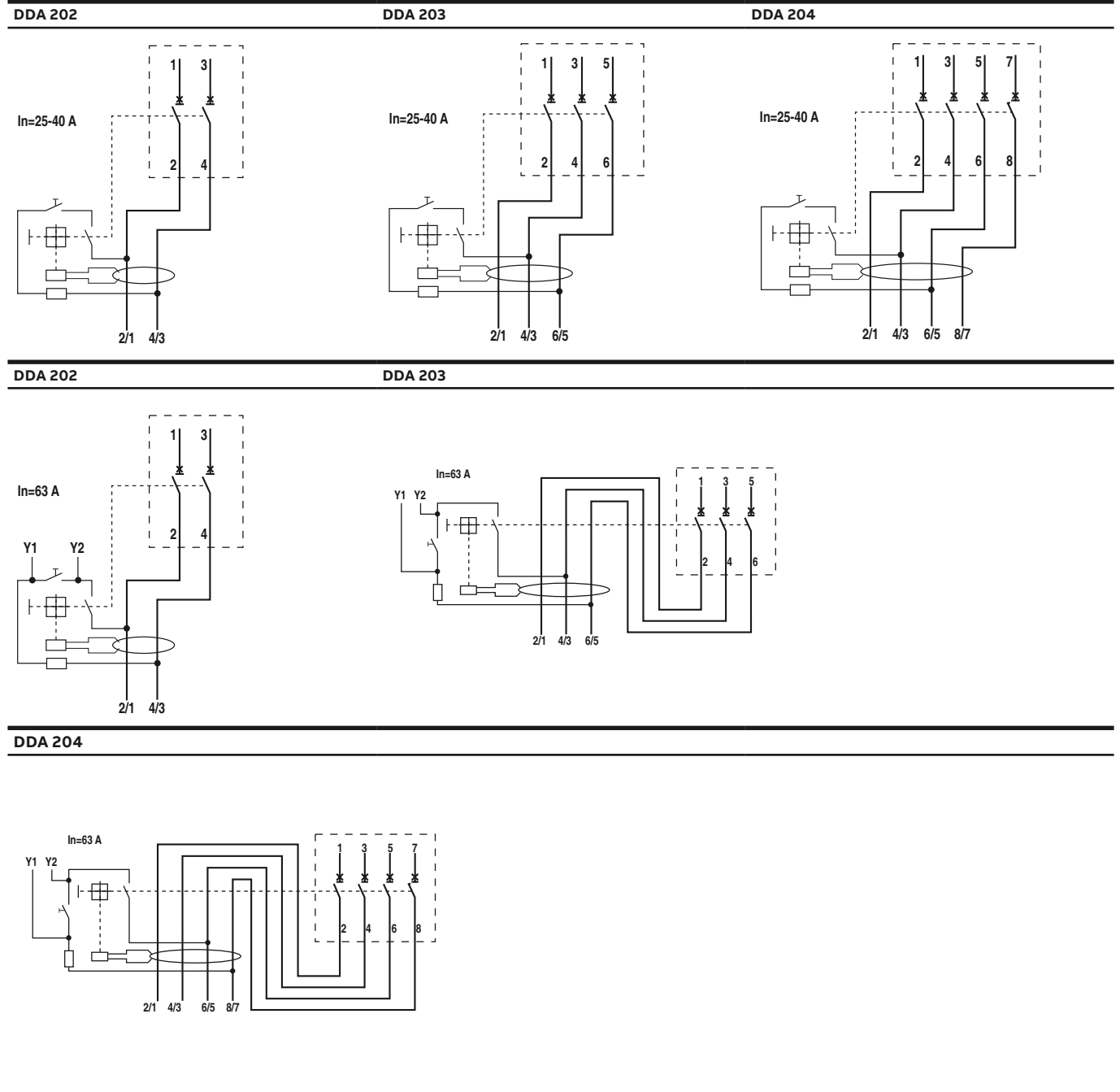
RCDs

| F 202 | F 204 | F 204 left neutral |
|--------------|--------------|--------------------|
| | | |
| F 202 B | F 204 B | |
| | | |
| F-ARI 2 Test | F-ARI 4 Test | |
| | | |
| F-ATI 2 Test | F-ATI 4 Test | |
| | | |

Quick product references

RCDs wiring diagrams

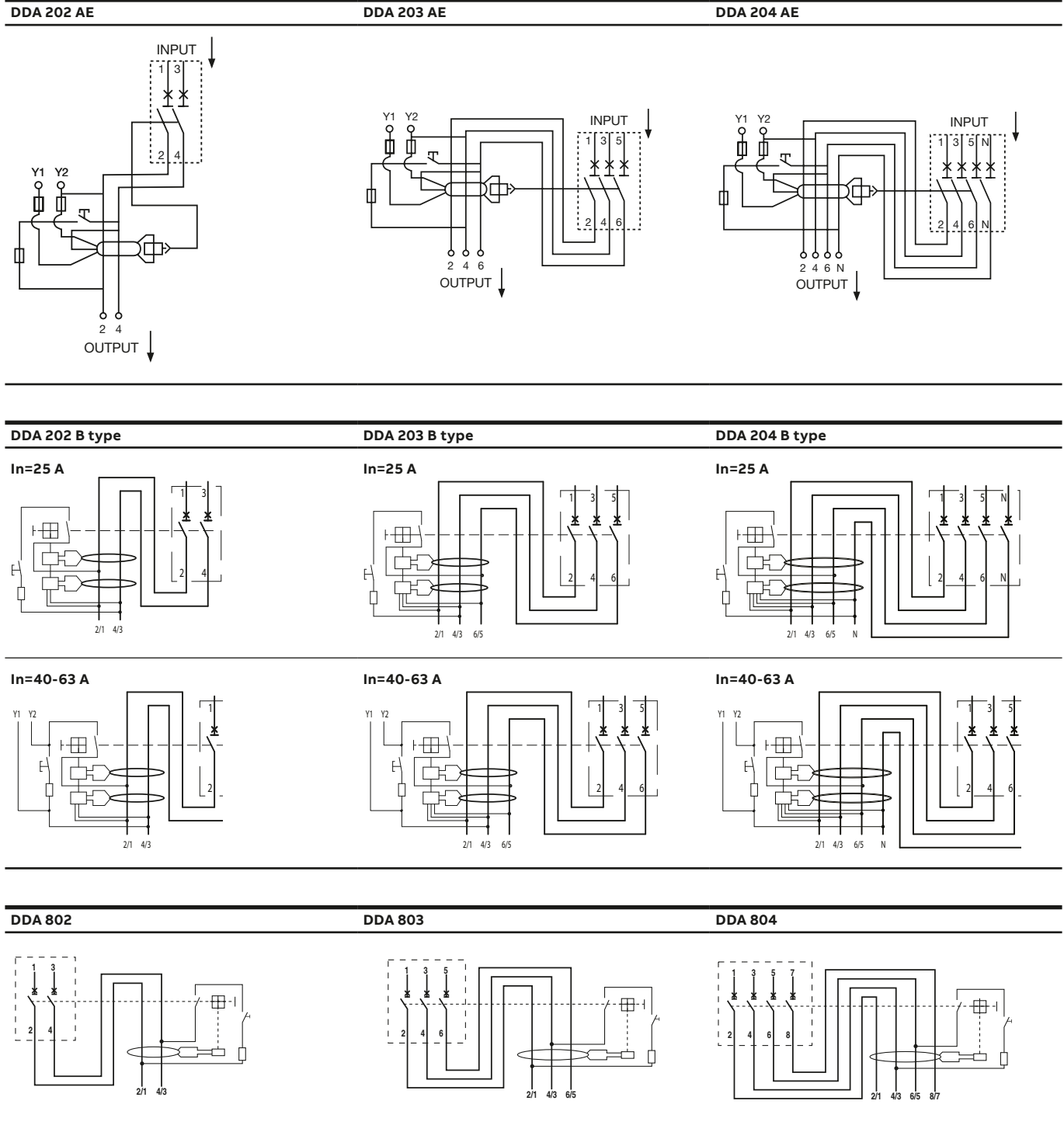
RCD-blocks



Quick product references

RCDs wiring diagrams

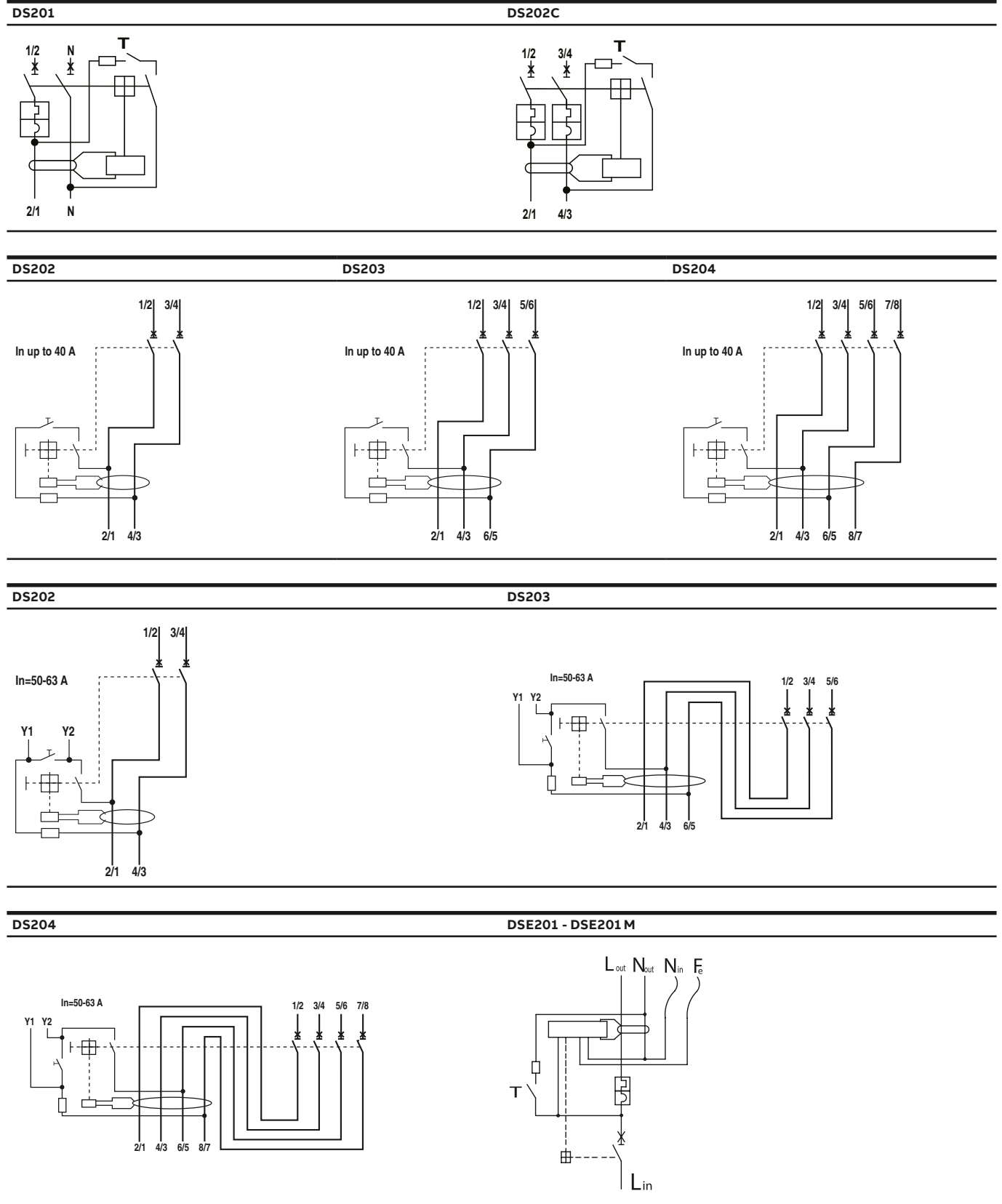
RCD-blocks



Quick product references

RCDs wiring diagrams

RCBOs



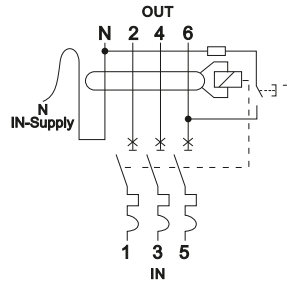
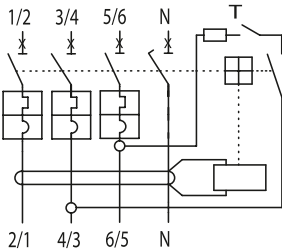
Quick product references

RCDs wiring diagrams

RCBOs

DS203NC

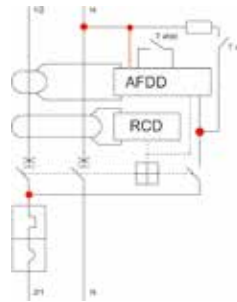
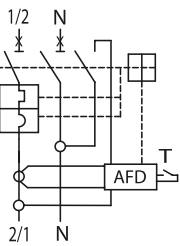
DSE203N M



AFDD

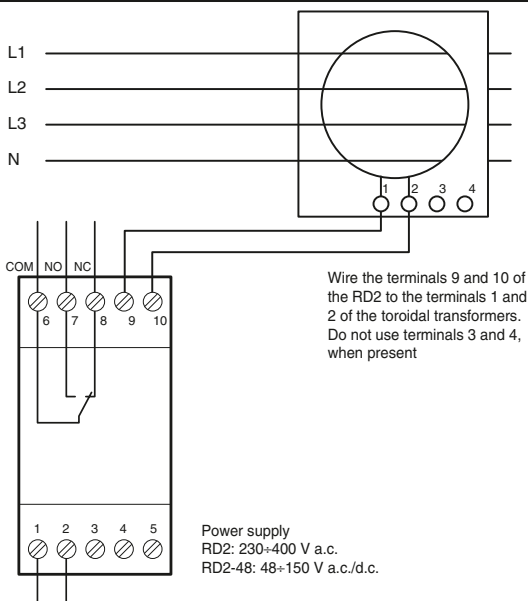
S-ARC1

DS-ARC1



Residual current relays

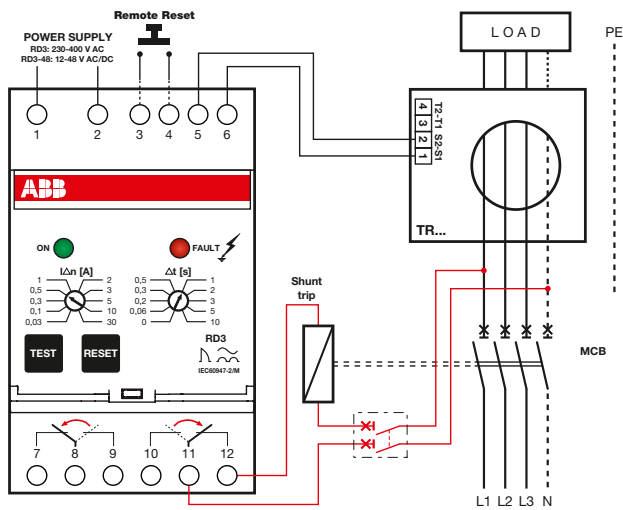
RD2 residual current relays



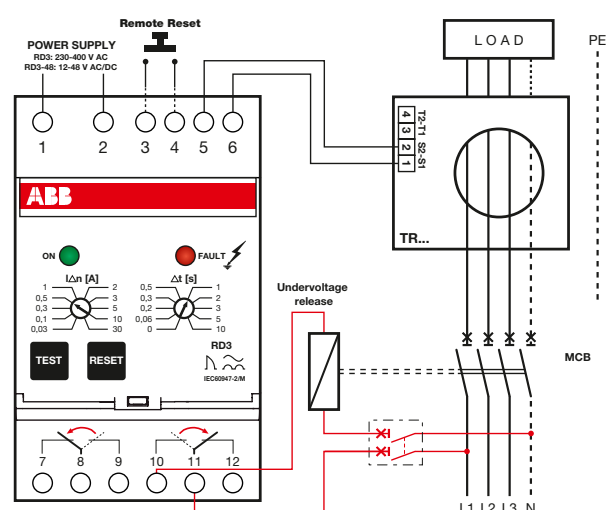
Quick product references

RCDs wiring diagrams

RD3 - undervoltage release wiring

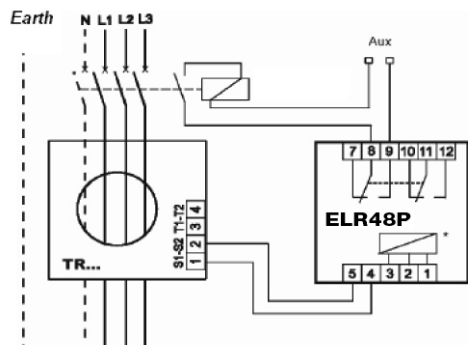


RD3 - shunt trip wiring

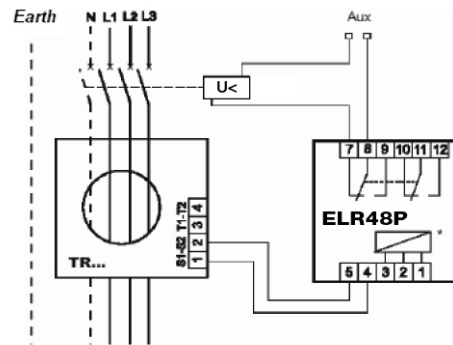


* The residual current protection is not active when this circuit breaker is switch-off

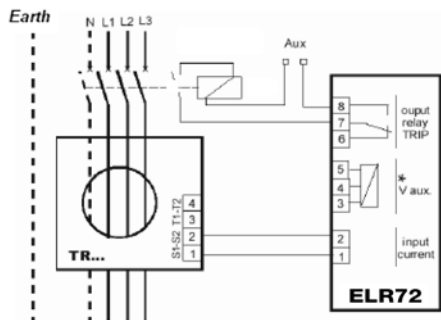
ELR48P - shunt trip wiring



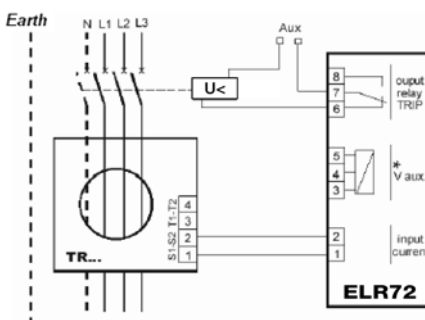
ELR48P - undervoltage release wiring



ELR72 - shunt trip wiring



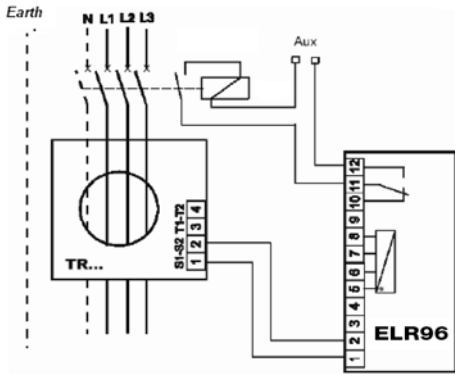
ELR72 - undervoltage release wiring



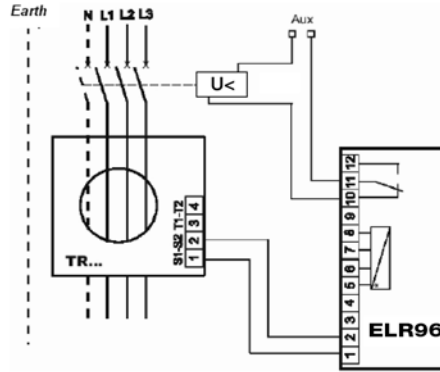
Quick product references

RCDs wiring diagrams

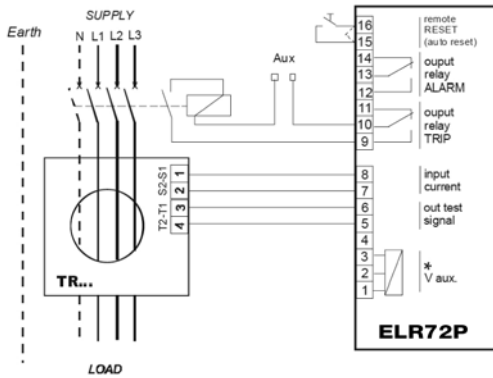
ELR96 - shunt trip wiring



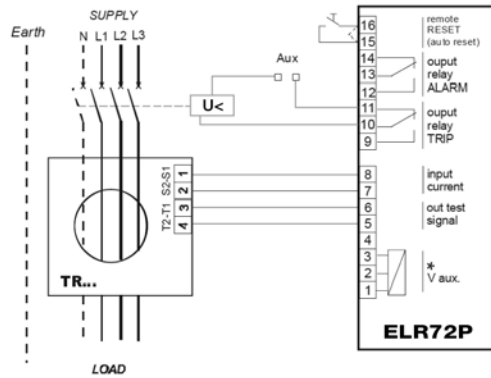
ELR96 - undervoltage release wiring



ELR72P - shunt trip wiring



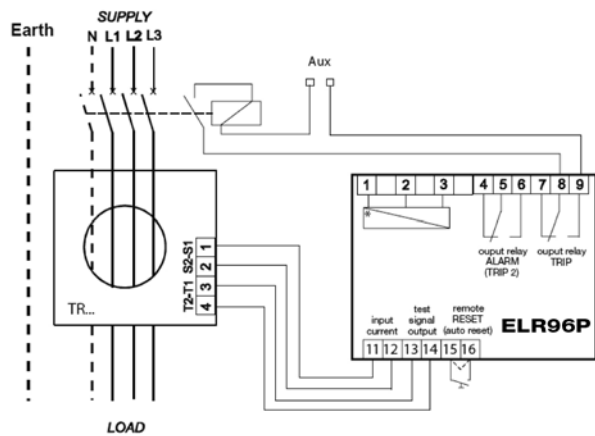
ELR72P - undervoltage release wiring



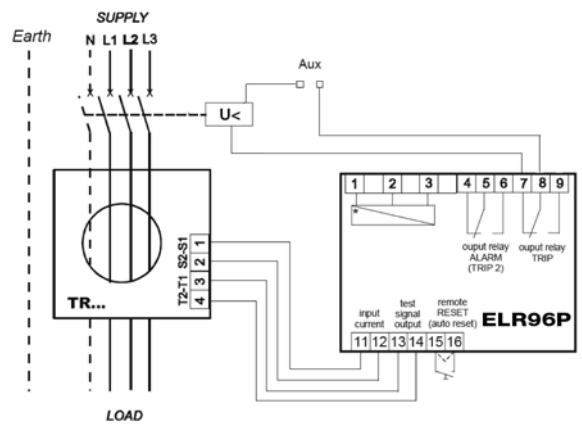
Quick product references

RCDs wiring diagrams

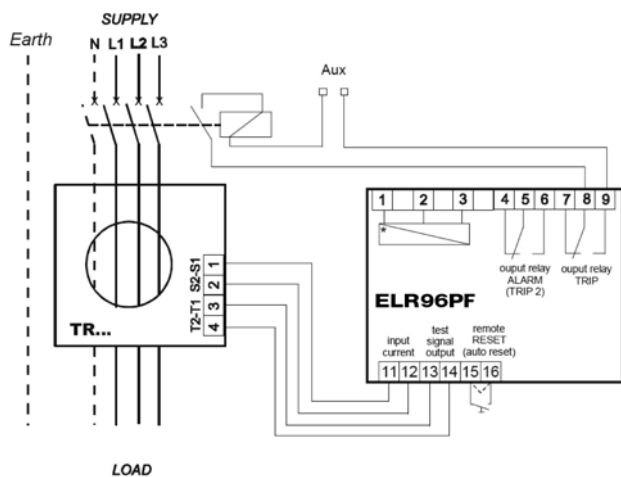
ELR96P - shunt trip wiring



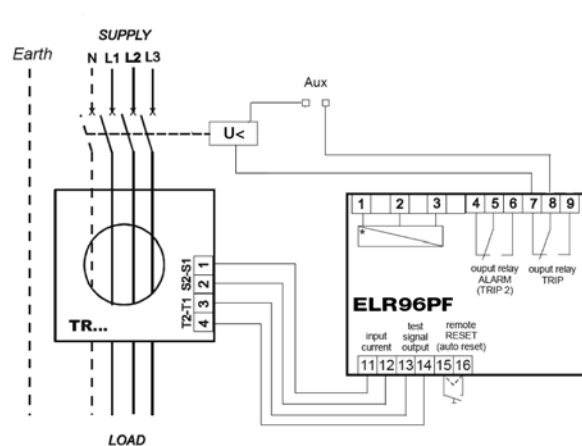
ELR96P - undervoltage release wiring



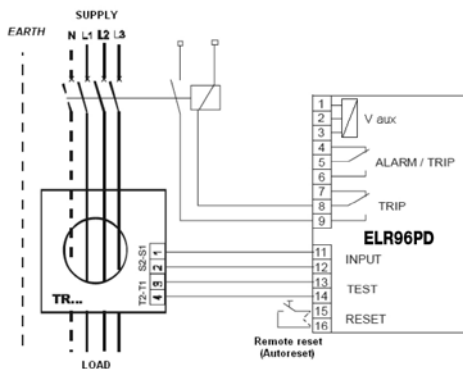
ELR96PF - shunt trip wiring



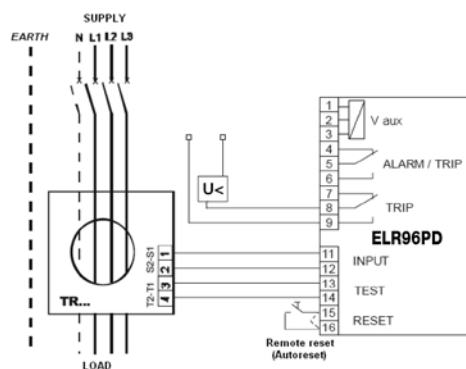
ELR96PF - undervoltage release wiring



ELR96PD - shunt trip wiring



ELR96PD - undervoltage release wiring



Quick product references

Auxiliary elements

| S2C-S/H6R | | | S2C-H6R | | S2C-H6-11R | | S2C-H6-20R | |
|------------------------|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|---------|
| Used as signal contact | Automatic opening | Manual opening | Auxiliary contact | Opening | Auxiliary contact | Opening | Auxiliary contact | Opening |
| | | | | | | | | |
| S2C-H6-02R | | SN201-S | | SN201-IH | | | | |
| Auxiliary contact | Opening | Auxiliary contact | Automatic opening | Manual opening | Auxiliary contact | Automatic opening | Manual opening | |
| | | | | | | | | |

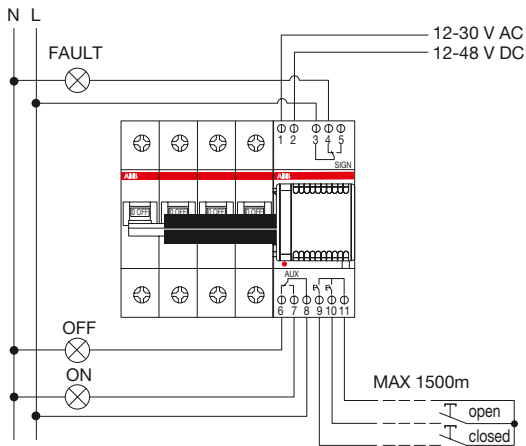
ABB has a full product range of auxiliary contacts completed by the S2C-S/H6R universal contacts. An auxiliary contact indicates the position of the MCB. A signal contact indicates the MCB position plus the fault event, i.e., overload or short-circuit.

Quick product references

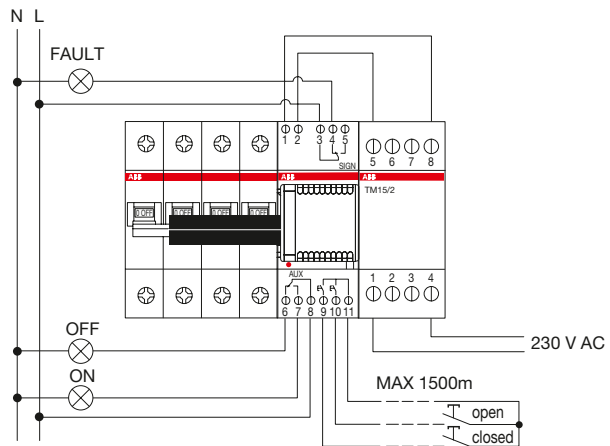
Auxiliary elements

Wiring diagrams for S2C-CM motor operating devices

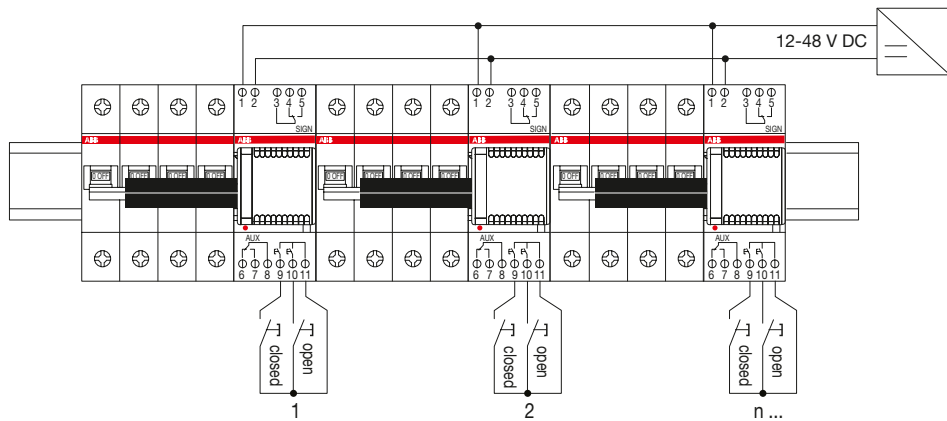
Low voltage use: 12...30 V AC, 12...48 V DC



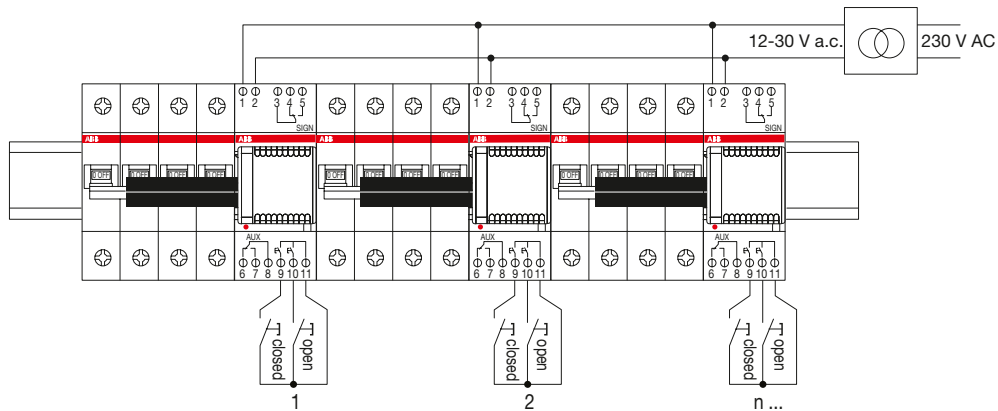
Use at 230 V AC via a TM15/12 bell transformer



Low voltage use of several motor operating devices: 12...30 V AC, 12...48 V DC



Use of several motor operating devices at 230 V AC via a single safety transformer

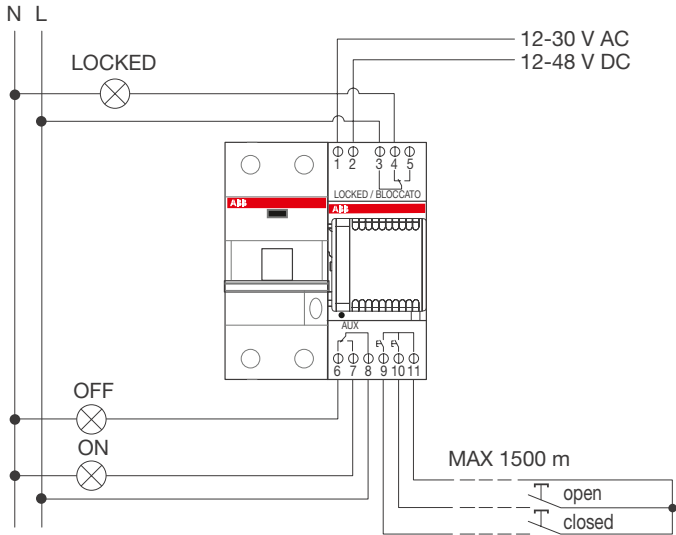


Quick product references

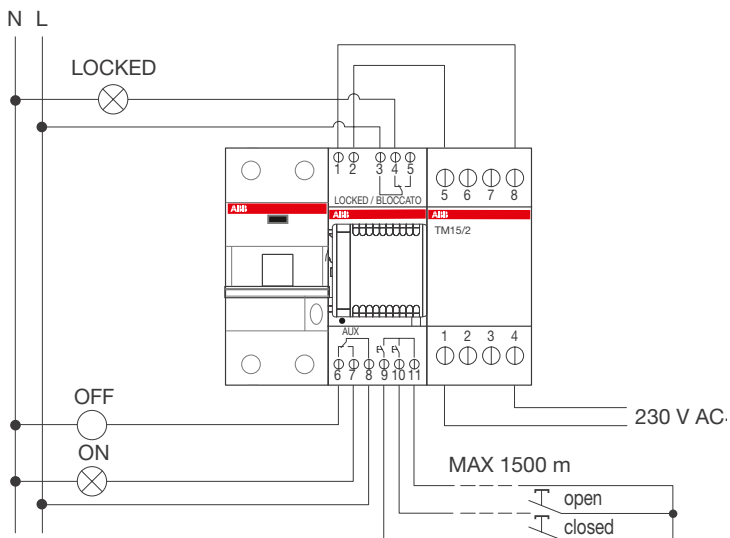
Auxiliary elements

Wiring diagrams for DS2C-CM motor operating devices

Low voltage use 12...30 V AC, 12...48 V DC



Use at 230 V AC via a TN15/12 transformer

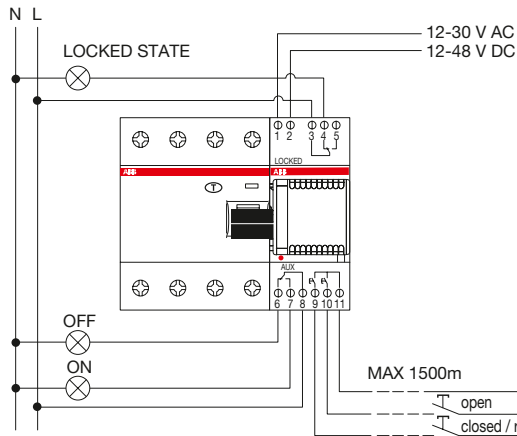


Quick product references

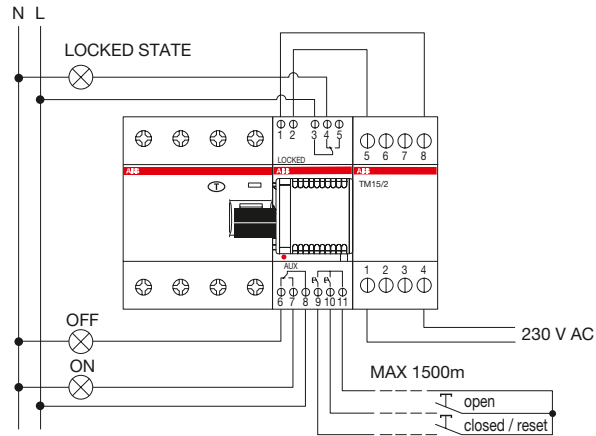
Auxiliary elements

Wiring diagrams for motor operating device F2C-CM and F2C-ARI auto-reclosing unit

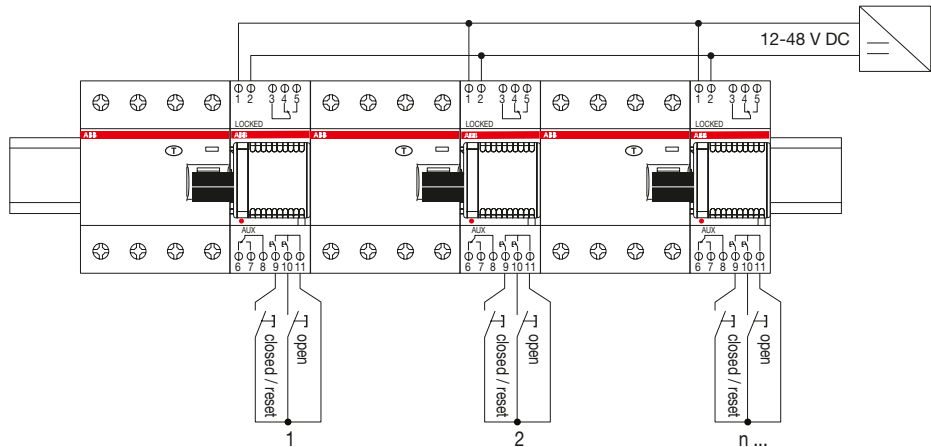
Low voltage use: 12...30 V AC, 12...48 V DC



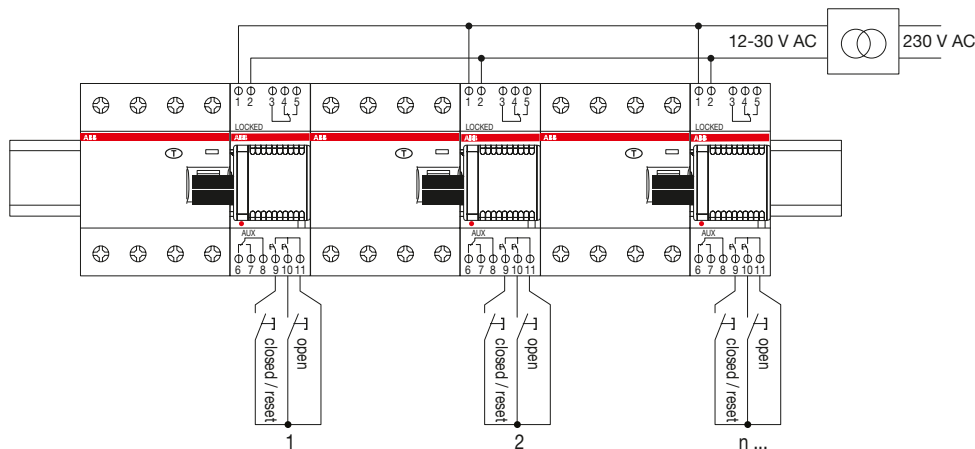
Use at 230 V AC via a TM15/12 bell transformer



Low voltage use of several motor operating devices or auto-reclosing units: 12-30 V AC, 12-48 V DC



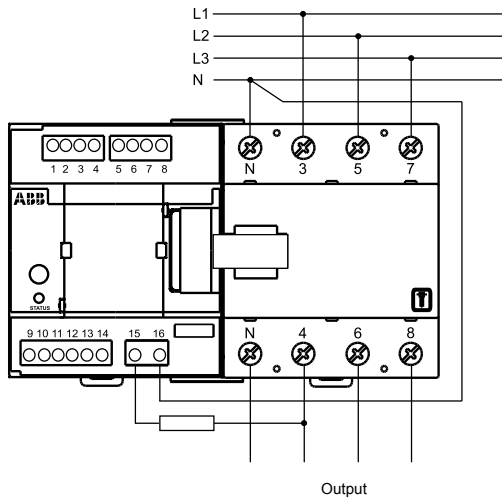
Use of several motor operating devices or auto-reclosing units at 230 V AC via a single transformer



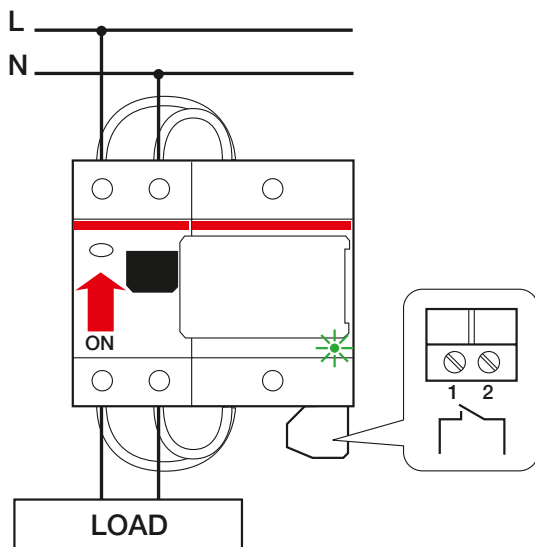
Quick product references

Auxiliary elements

Wiring diagram for F2 CM4 motor operating devices



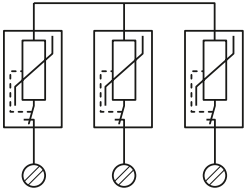
Wiring diagram for F2C-ARH and F2C-ARH-T



Quick product references

Protection and safety wiring diagrams

Surge Protective Devices - Photovoltaic SPDs - OVR PV

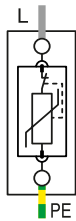


OVR PV T1-T2 QS / OVR PV T2

Surge Protective Devices - Type 1+2 12.5/Type 2/ Type 2+3

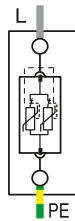
Pluggable Type 1+2 12.5/Type 2/ Type 2+3

Single pole Type 2 SPD



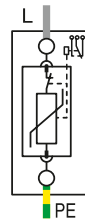
OVR T2-T3 20-275 P QS,
OVR T2 40-275 P QS,
OVR T2-T3 20-440 P QS,
OVR T2 40-275 P QS

Single pole Type 1+2 12.5/Type 2 SPD with safety reserve (s)



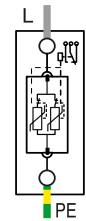
OVR T2 40-275s P QS,
OVR T2 80 275s P QS,
OVR T2 40-440s P QS,
OVR T2 80-440s P QS,
OVR T1-T2 12.5-275s P QS,
OVR T1-T2 12.5-440s P QS

Single pole Type 2/Type 2+3 SPD with remote indication (TS)



OVR T2-T3 20-275 P TS QS,
OVR T2 40-275 P TS QS,
OVR T2-T3 20-440 P TS QS,
OVR T2 40-440 P TS QS

Single pole Type 1+2 12.5/Type 2 SPD with safety reserve (s) and remote indication (TS)



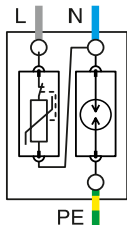
OVR T2 40-275s P TS QS,
OVR T2 80-275s P QS,
OVR T2 40-440s P TS QS,
OVR T2 80-440s P TS QS

Quick product references

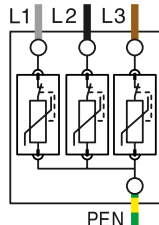
Protection and safety wiring diagrams

Surge Protective Devices - Type 1+2 12.5/Type 2/ Type 2+3

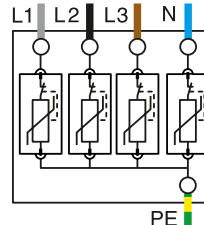
Multipole Type 2/ Type 2+3 SPD



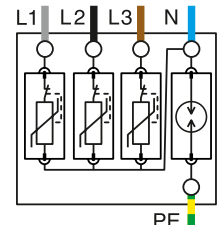
OVR T2-T3 1N 20-275 P QS,
OVR T2 1N 40-275 P QS



OVR T2-T3 3L 20-275 P QS,
OVR T2 3L 40-275 P QS

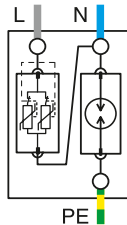


OVR T2-T3 4L 20-275 P QS,
OVR T2 4L 40-275 P QS

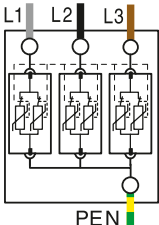


OVR T2-T3 3N 20-275 P QS,
OVR T2 3N 40-275 P QS

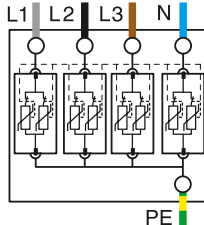
Multipole Type 1+2 12.5 / Type 2 SPD with safety reserve (s)



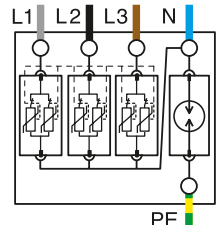
OVR T2 1N 40-275s P QS,
OVR T2 1N 80-275s P QS



OVR T2 3L 40-275s P QS,
OVR T2 3L 80-275s P QS,
OVR T1-T2 3L 12.5-275s P QS,
OVR T1-T2 3L 12.5-440s P QS

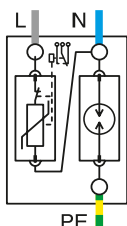


OVR T2 4L 40-275s P QS,
OVR T2 4L 80-275s P QS,
OVR T1-T2 4L 12.5-275s P QS,
OVR T1-T2 4L 12.5-440s P QS

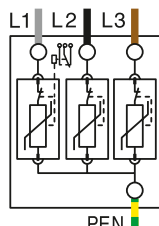


OVR T2 3N 40-275s P QS,
OVR T2 3N 80-275s P QS,
OVR T1-T2 3N 12.5-275s P QS,
OVR T1-T2 3N 12.5-440s P QS

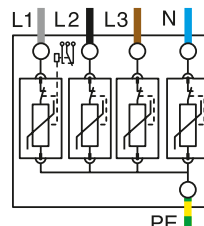
Multipole Type 2/ Type 2+3 SPD with remote indication (TS)



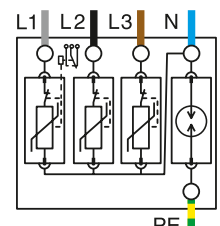
OVR T2-T3 1N 20-275 P TS QS,
OVR T2 1N 40-275 P TS QS



OVR T2-T3 3L 20-275 P TS QS,
OVR T2 3L 40-275 P TS QS

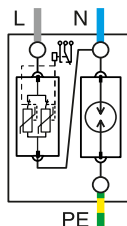


OVR T2-T3 4L 20-275 P TS QS,
OVR T2 4L 40-275 P TS QS

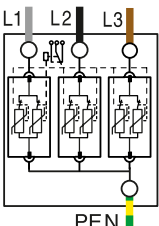


OVR T2-T3 3N 20-275 P TS QS,
OVR T2 3N 40-275 P TS QS

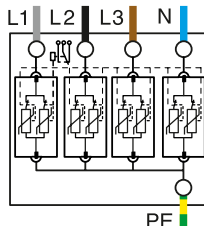
Multipole Type 1+2 12.5/Type 2 SPD with safety reserve (s) and remote indication (TS)



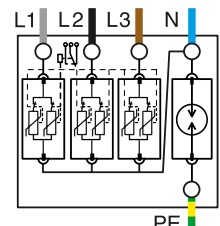
OVR T2 1N 40-275s P TS QS,
OVR T2 1N 80-275s P TS QS,
OVR T1-T2 1N 12.5-275s P TS QS,
OVR T1-T2 1N 12.5-440s P TS QS



OVR T2 3L 40-275s P TS QS,
OVR T2 3L 80-275s P TS QS,
OVR T1-T2 3L 12.5-275s P TS QS,
OVR T1-T2 3L 12.5-440s P TS QS



OVR T2 4L 40-275s P TS QS,
OVR T2 4L 80-275s P TS QS,
OVR T1-T2 4L 12.5-275s P TS QS,
OVR T1-T2 4L 12.5-440s P TS QS

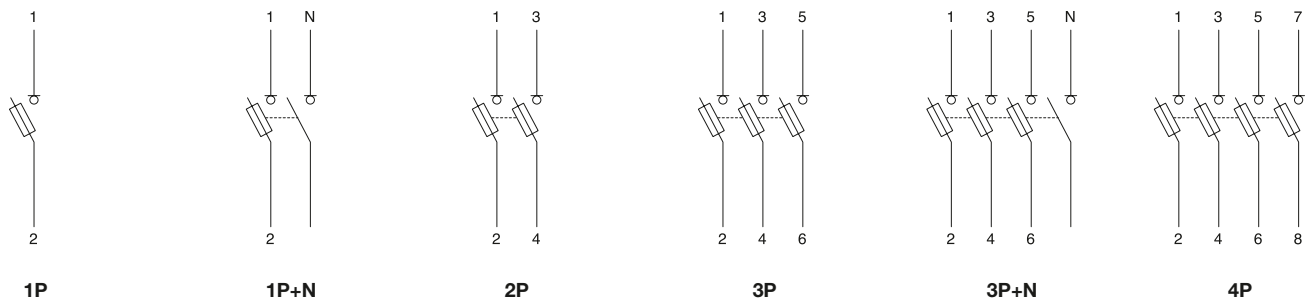


OVR T2 3N 40-275s P TS QS,
OVR T2 3N 80-275s P TS QS,
OVR T1-T2 3N 12.5-275s P TS QS,
OVR T1-T2 3N 12.5-440s P TS QS

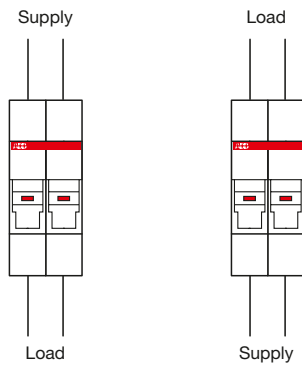
Quick product references

Protection and safety wiring diagrams

E90 fuse switch disconnectors

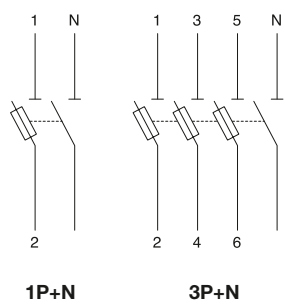


E 90 with blown fuse indicator light in alternate current

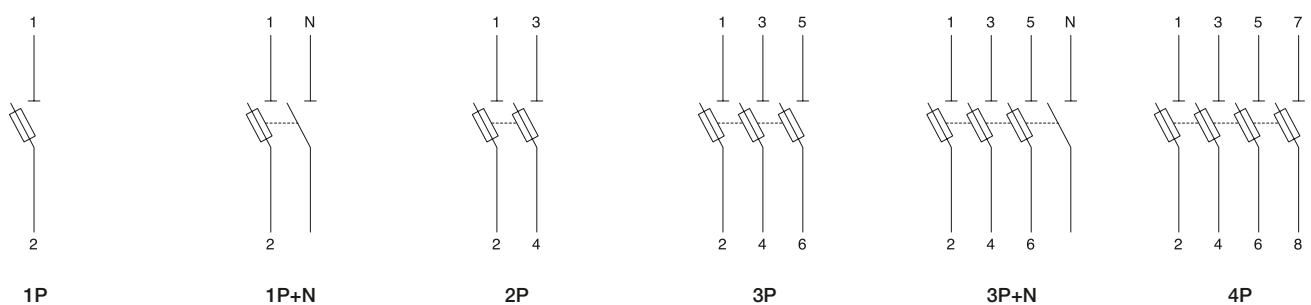


For direct current systems please refer to E 90 PV wiring diagram

E90h fuse holders



E90 fuse disconnectors and E90/30 CC fuse holders

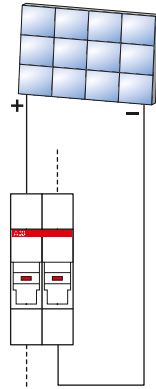
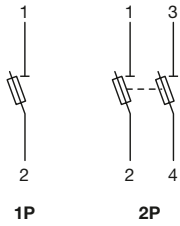


Quick product references

Protection and safety wiring diagrams

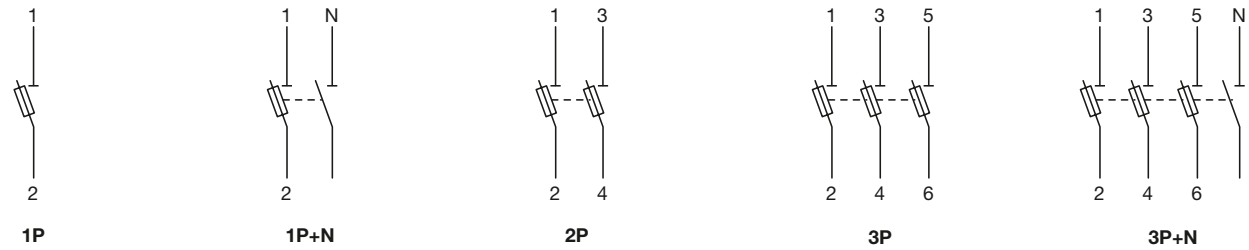
E90 PV fuse disconnectors

E 90 PV with blown fuse indicator light in direct current

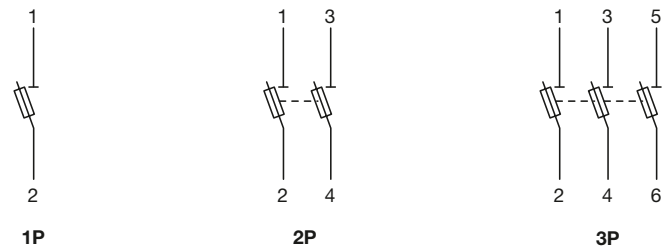


In direct current systems, since the LED allows the current to flow only from positive to negative, the wiring of the blown fuse indicator version should follow the current direction as shown in the diagram

E90 50/125 fuse disconnectors



E90 30/60 J fuse holders



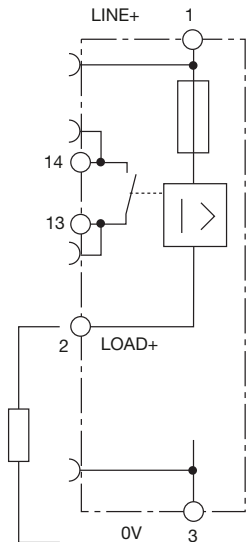
ILTS-E



Quick product references

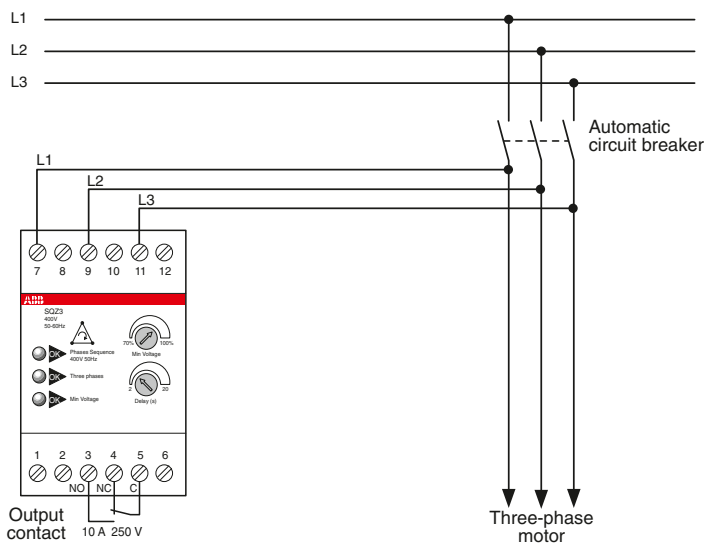
Protection and safety wiring diagrams

EPD24



EPD24-TB-101
 without signal input
 with signal output F
 (single signal, NO)
 Operating condition: 13-14 closed
 Fault condition: 13-14 open

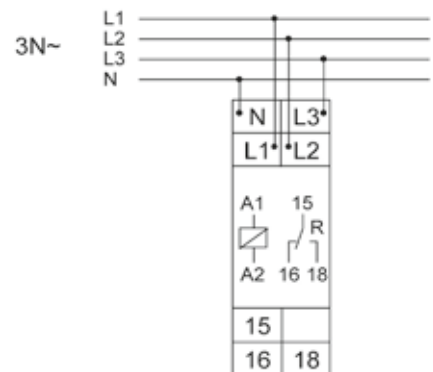
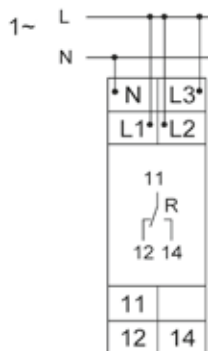
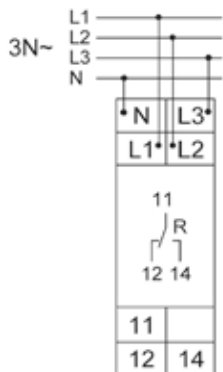
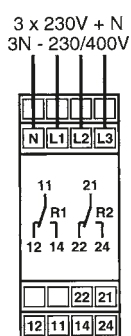
SQZ3



E 236 US 1, E 236 US 2

E236-US 1.1 and US 2.1

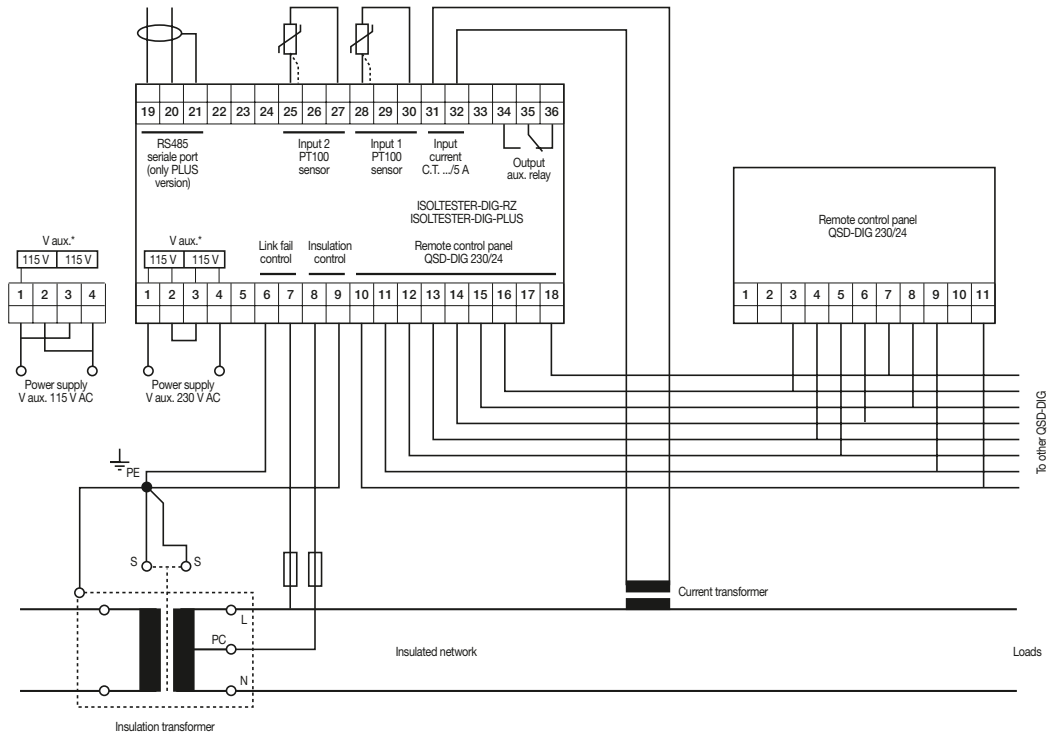
E236-US 1.1D



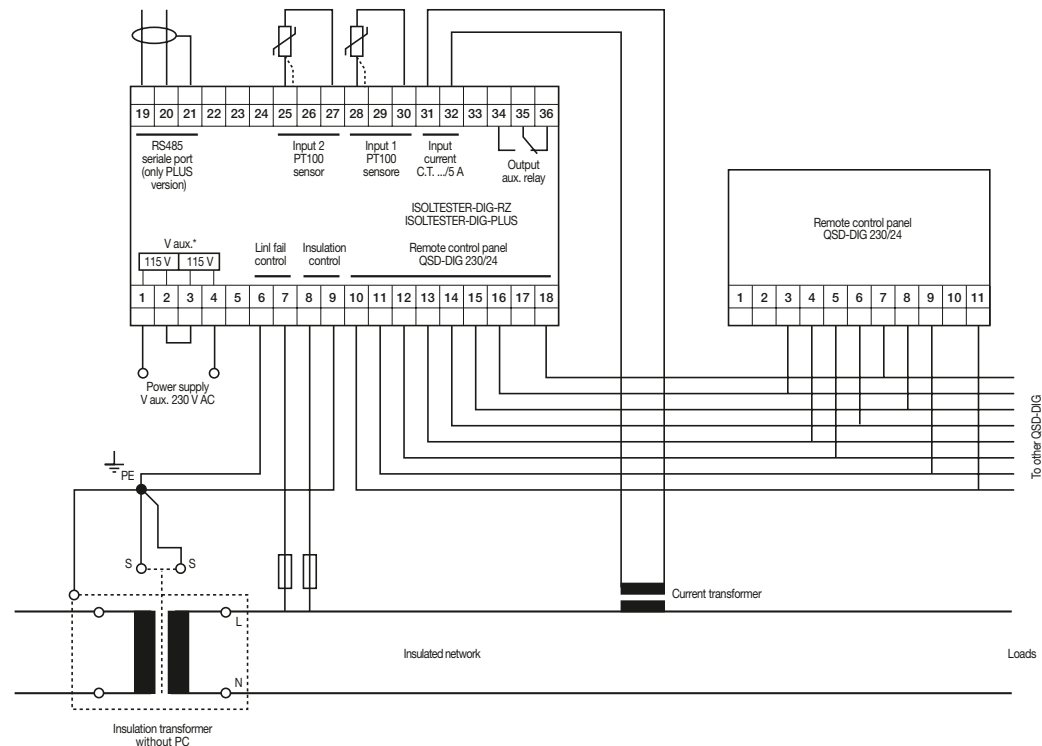
Quick product references

Protection and safety wiring diagrams

ISOLTESTER-DIG, QSD-DIG and SELVTESTER-24 - with transformer with central socket (PC)



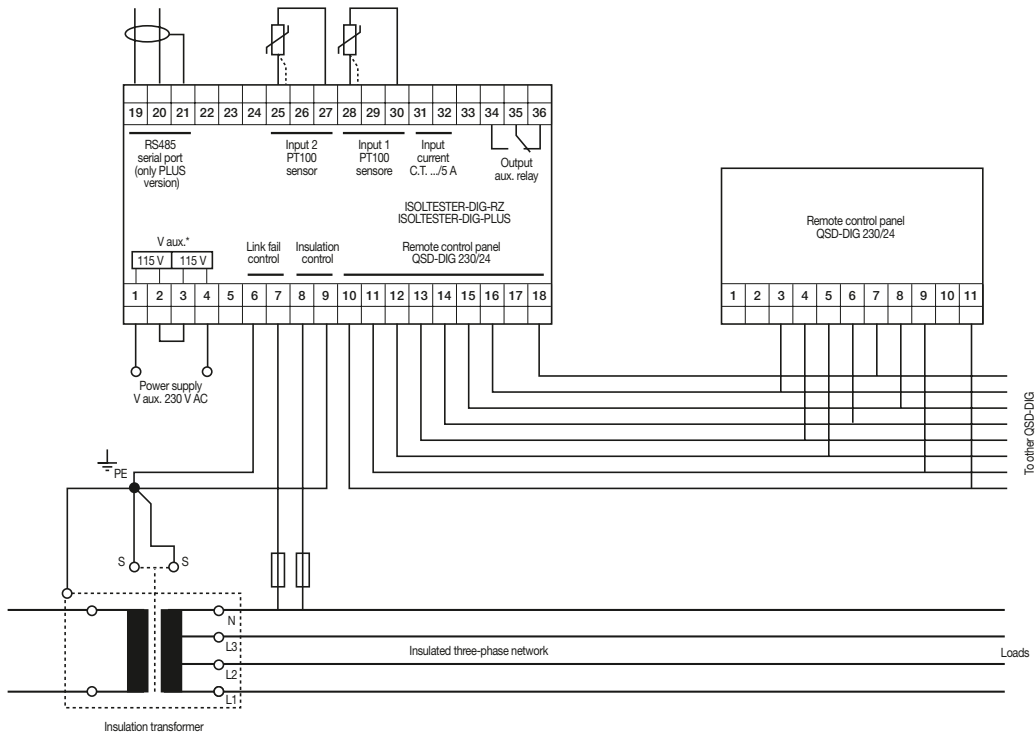
ISOLTESTER-DIG, QSD-DIG and SELVTESTER-24 -



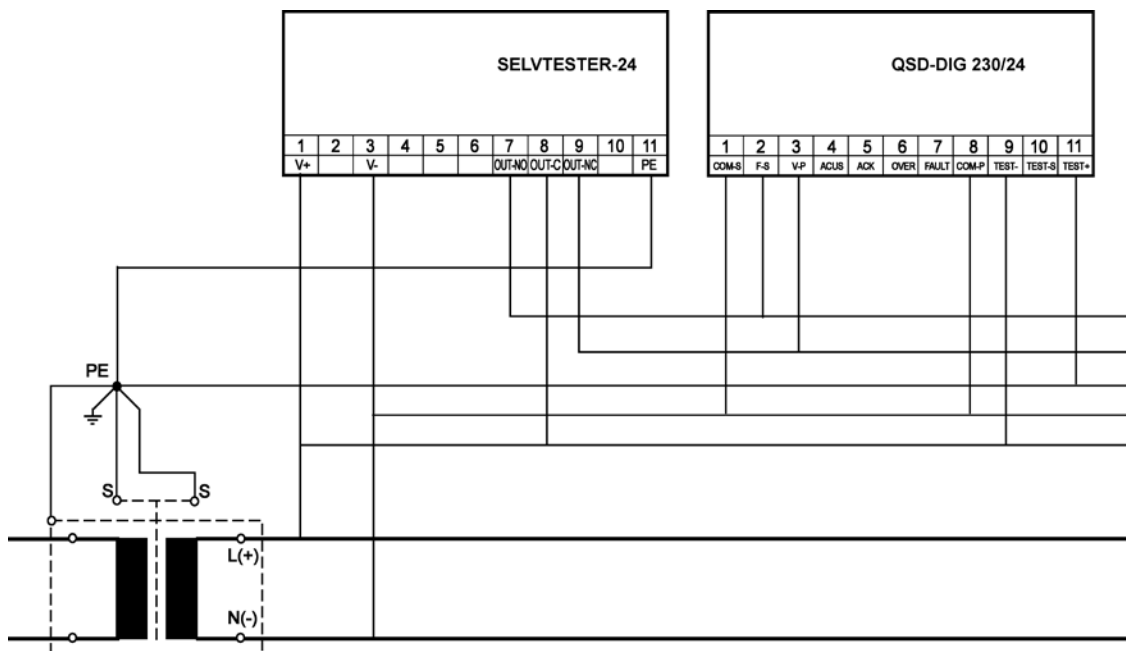
Quick product references

Protection and safety wiring diagrams

ISOLTESTER-DIG, QSD-DIG and SELVTESTER-24 -



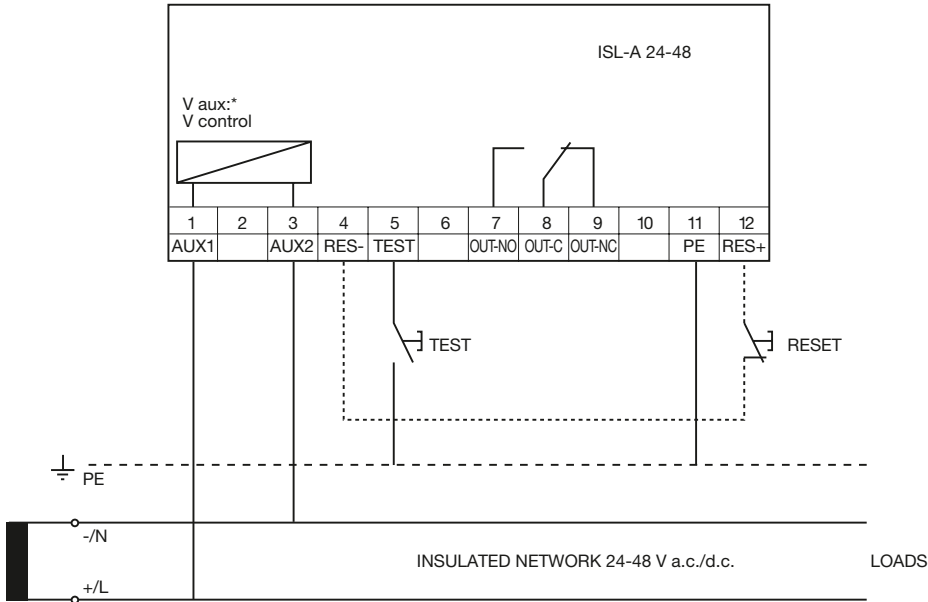
ISOLTESTER-DIG, QSD-DIG and SELVTESTER-24 -



Quick product references

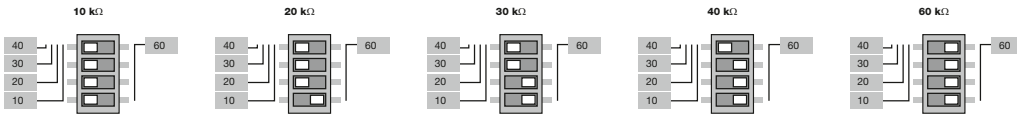
Protection and safety wiring diagrams

ISL-A 24-48



MICROSWITCH SETTINGS

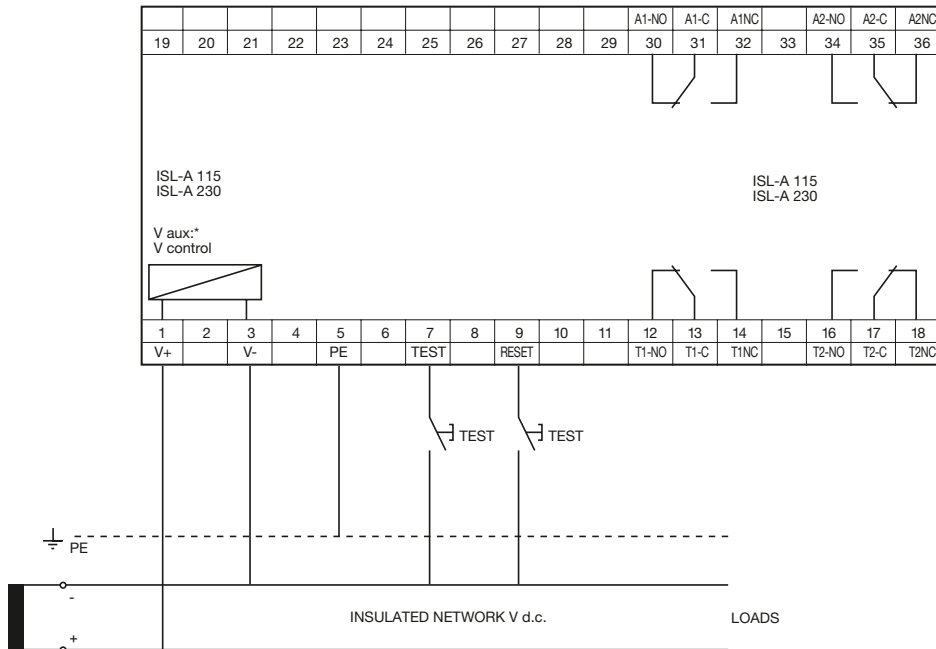
The front microswitches allow the insulation threshold level to be adjusted between 10 and 60 kW, as shown below:



Quick product references

Protection and safety wiring diagrams

ISL-A 115 and ISL-A 230



MICROSWITCH SETTINGS

The front microswitches are used for adjusting the insulation threshold level, enabling the fail-safe function and configuring the reset mode for both the alarm and trip thresholds.

Microswitches A, B, C, D for programming the trip and alarm thresholds:

| ALARM | | TRIP | |
|---------|--------------------|---------|--------------------|
| 300 kΩ: | A=0, B=0, C=0, D=0 | 100 kΩ: | A=0, B=0, C=0, D=0 |
| 150 kΩ: | A=1, B=0, C=0, D=0 | 60 kΩ: | A=1, B=0, C=0, D=0 |
| 80 kΩ: | A=1, B=1, C=0, D=0 | 40 kΩ: | A=1, B=1, C=0, D=0 |
| 50 kΩ: | A=1, B=1, C=1, D=0 | 20 kΩ: | A=1, B=1, C=1, D=0 |
| 30 kΩ: | A=1, B=1, C=1, D=1 | 10 kΩ: | A=1, B=1, C=1, D=1 |

Microswitch E for configuring the FAIL SAFE mode

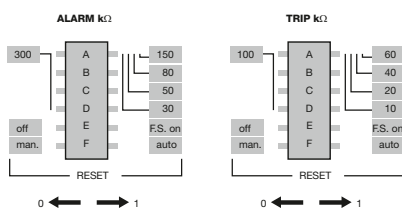
E=0 fail safe mode disabled

E=1 fail safe mode enabled

Microswitch F for configuring the RESET mode

F=0 manual reset

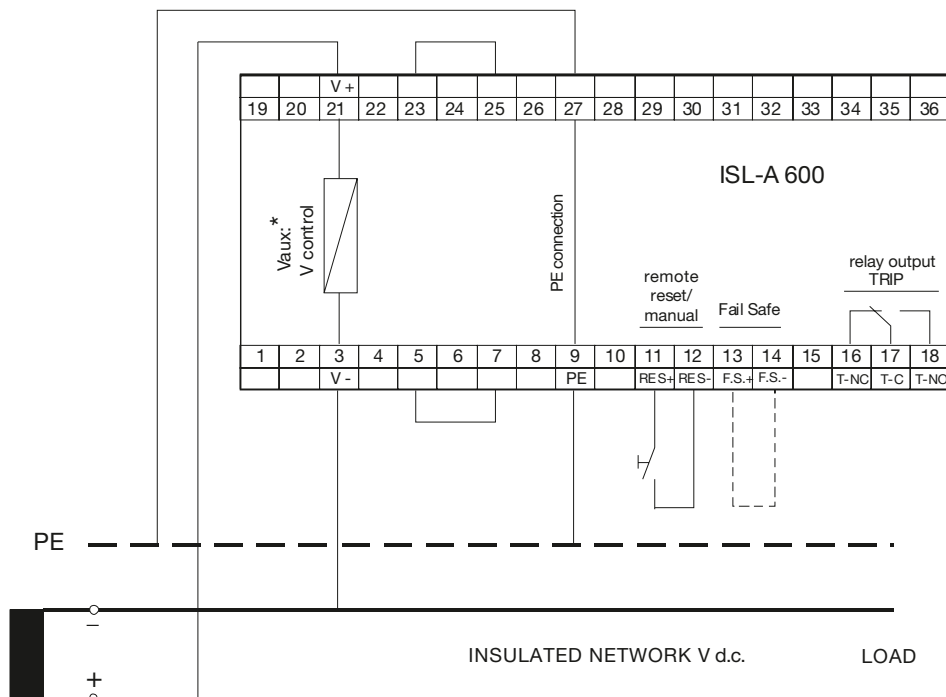
F=1 automatic reset



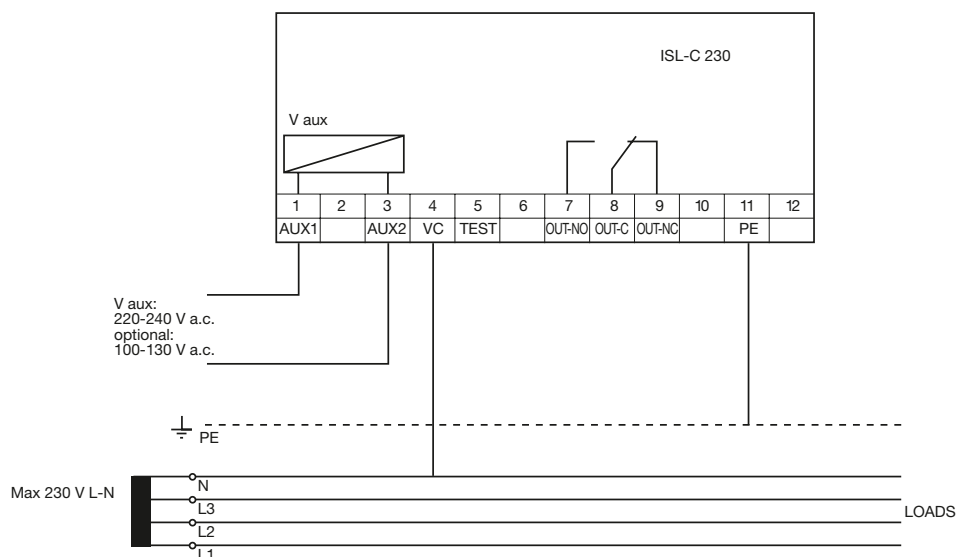
Quick product references

Protection and safety wiring diagrams

ISL-A 600



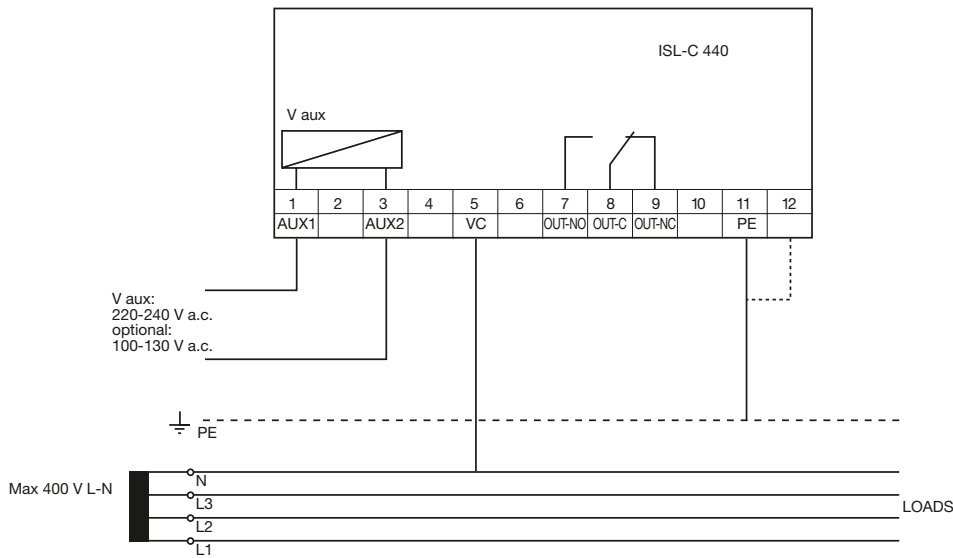
ISL-C 230



Quick product references

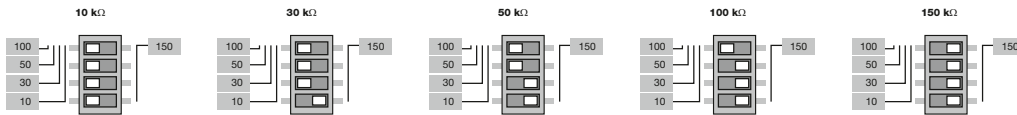
Protection and safety wiring diagrams

ISL-C 440



MICROSWITCH SETTINGS

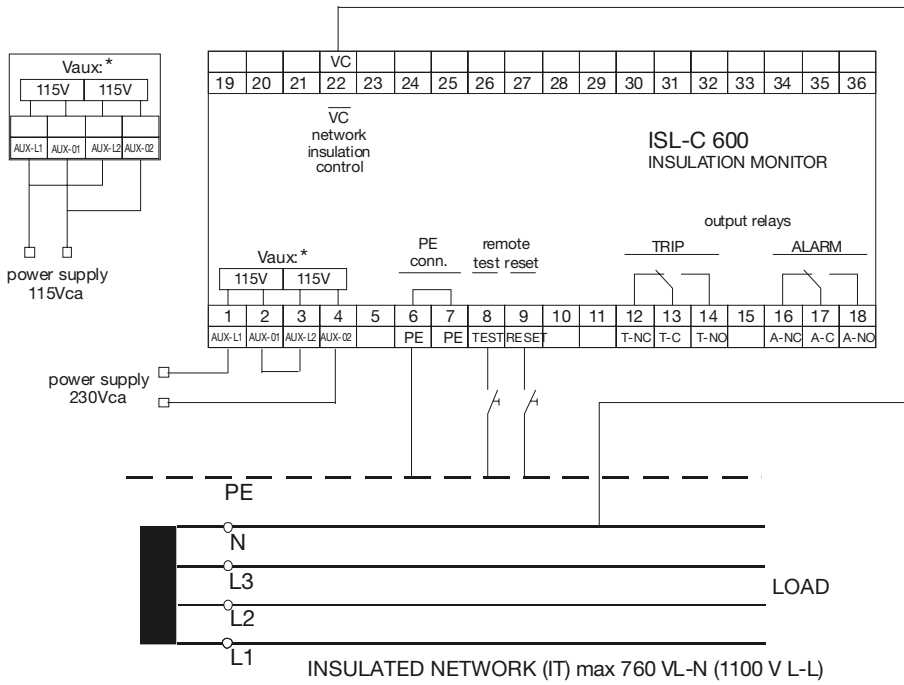
The front microswitches are used for adjusting the insulation threshold level between 10 and 150 kW, as shown below:



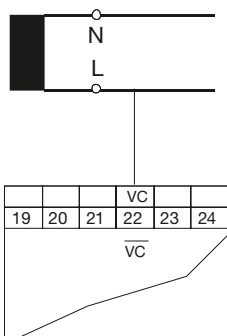
Quick product references

Protection and safety wiring diagrams

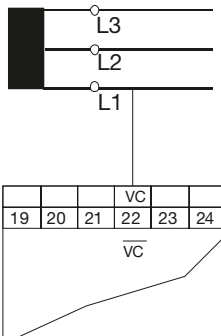
ISL-C 600



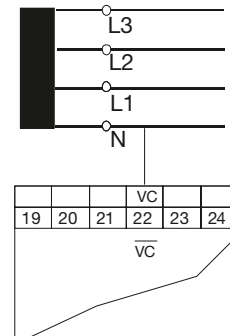
Max 760V L-N



Three-phase network without neutral
Max 760V L-L



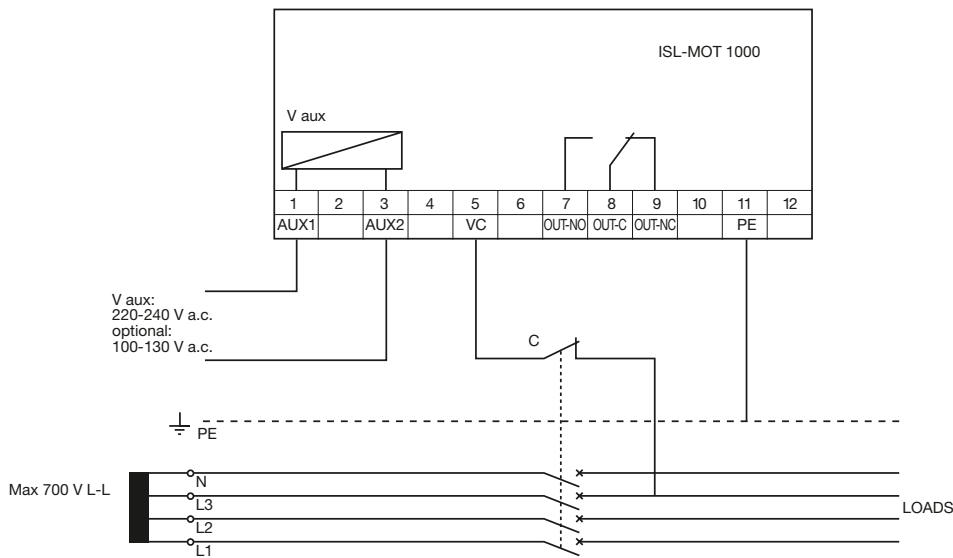
Three-phase network with neutral
Max 1100V L-L



Quick product references

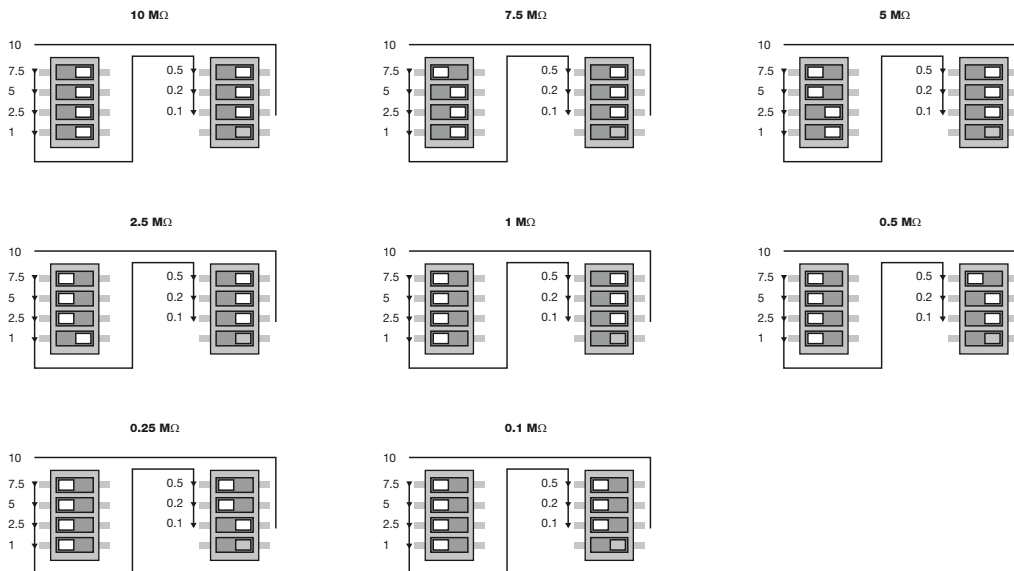
Protection and safety wiring diagrams

ISL-MOT 1000



MICROSWITCH SETTINGS

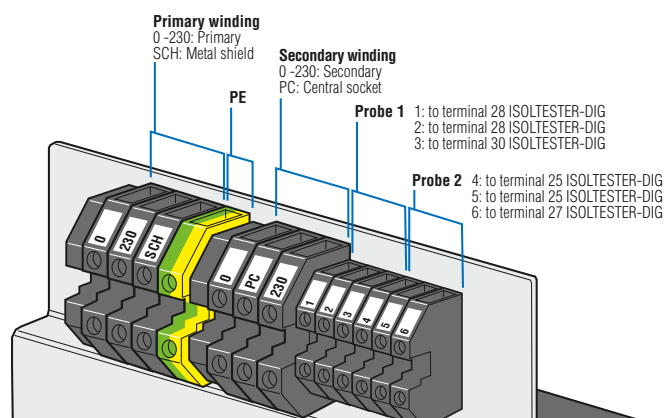
The front microswitches are used for adjusting the insulation threshold level between 0.1 and 10 MW. A total of 7 microswitches are used, divided into two groups as shown below:



Quick product references

Protection and safety wiring diagrams

T1



Quick product references

Command and signaling wiring diagrams

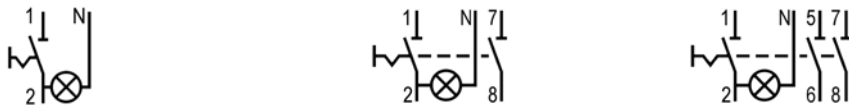
E200/SD 200/SHD 200



E210



ON / OFF switch



Off switches with indicator lamps

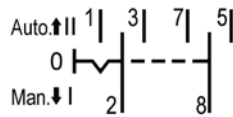
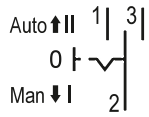


Change-over switches

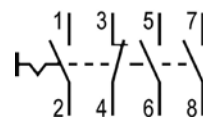
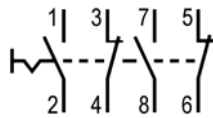
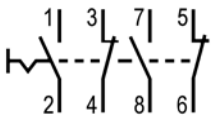
Quick product references

Command and signaling wiring diagrams

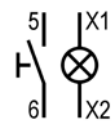
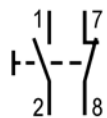
E210 group switches



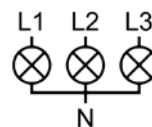
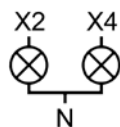
E210 control switches



E210 pushbutton



E210 indicator Light

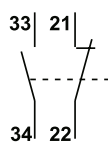


ESB EN

Contact Blocks

EH 04-20

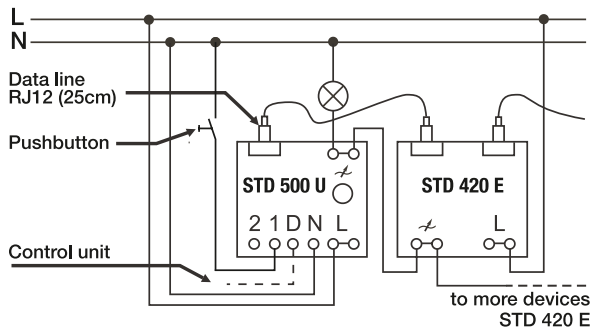
EH 04-11



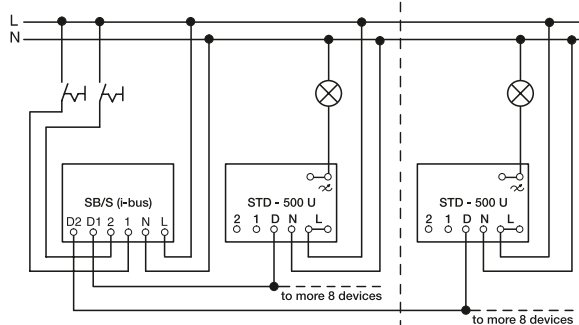
Quick product references

Command and signaling wiring diagrams

STD



STD-500 U

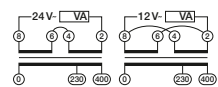


STD-500 U, SB/S or PSB/S

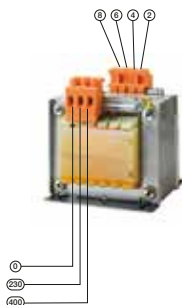
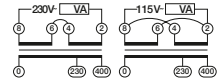
TM-C, TM-S, TM-I

TM-C

Label on product:
12-24 V output

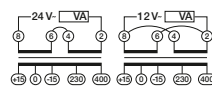


115-230 V output

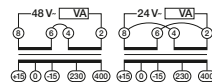


TM-S, TM-I

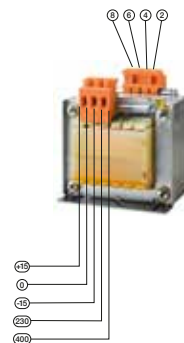
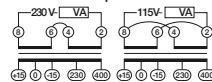
Label on product:
12-24 V output TM-S



24-48 V output TM-S

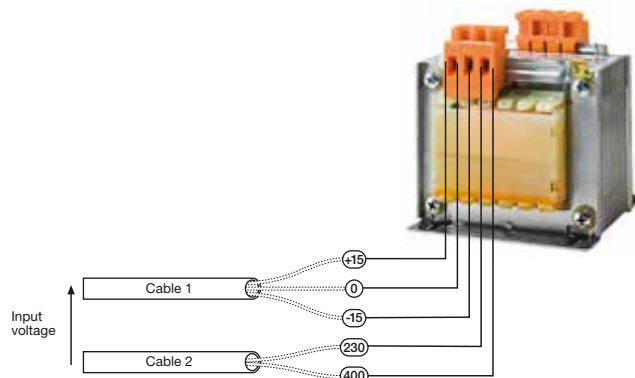


115-230 V output TM-I



Primary voltage TM-I, TM-S

| | | Cable 2 | |
|---------|-----|---------|------|
| | | 230 | 400 |
| Cable 1 | -15 | 215V | 385V |
| | 0 | 230V | 400V |
| | 15 | 245V | 415V |

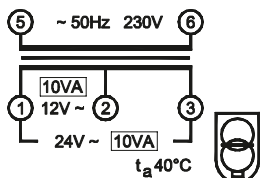


Quick product references

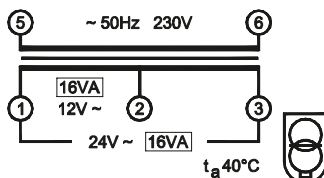
Command and signaling wiring diagrams

TS-C

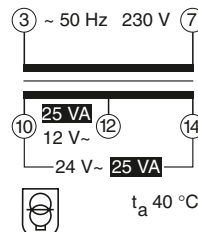
TS10/12-24 C



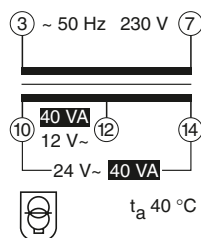
TS16/12-24 C



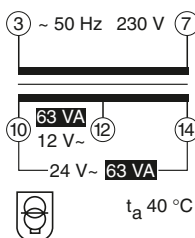
TS25/12-24 C



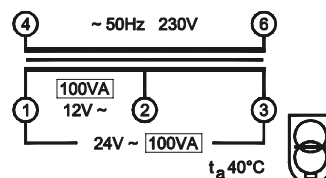
TS40/12-24 C



TS63/12-24 C

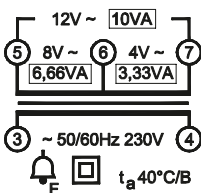


TS100/12-24 C

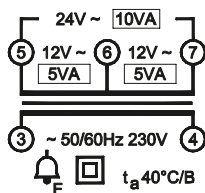


TM

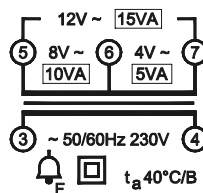
TM10/12



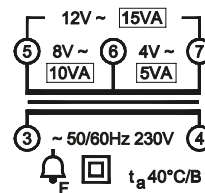
TM10/24



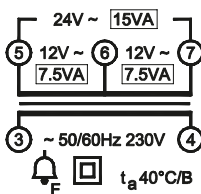
TM15/12



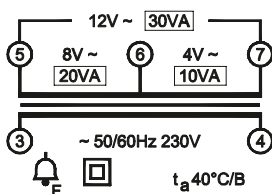
TM15/12 ES



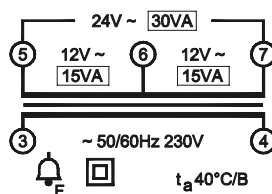
TM15/24



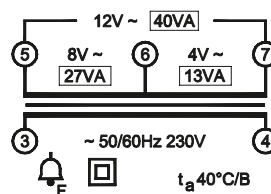
TM30/12



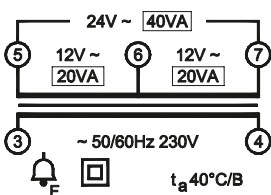
TM30/24



TM40/12



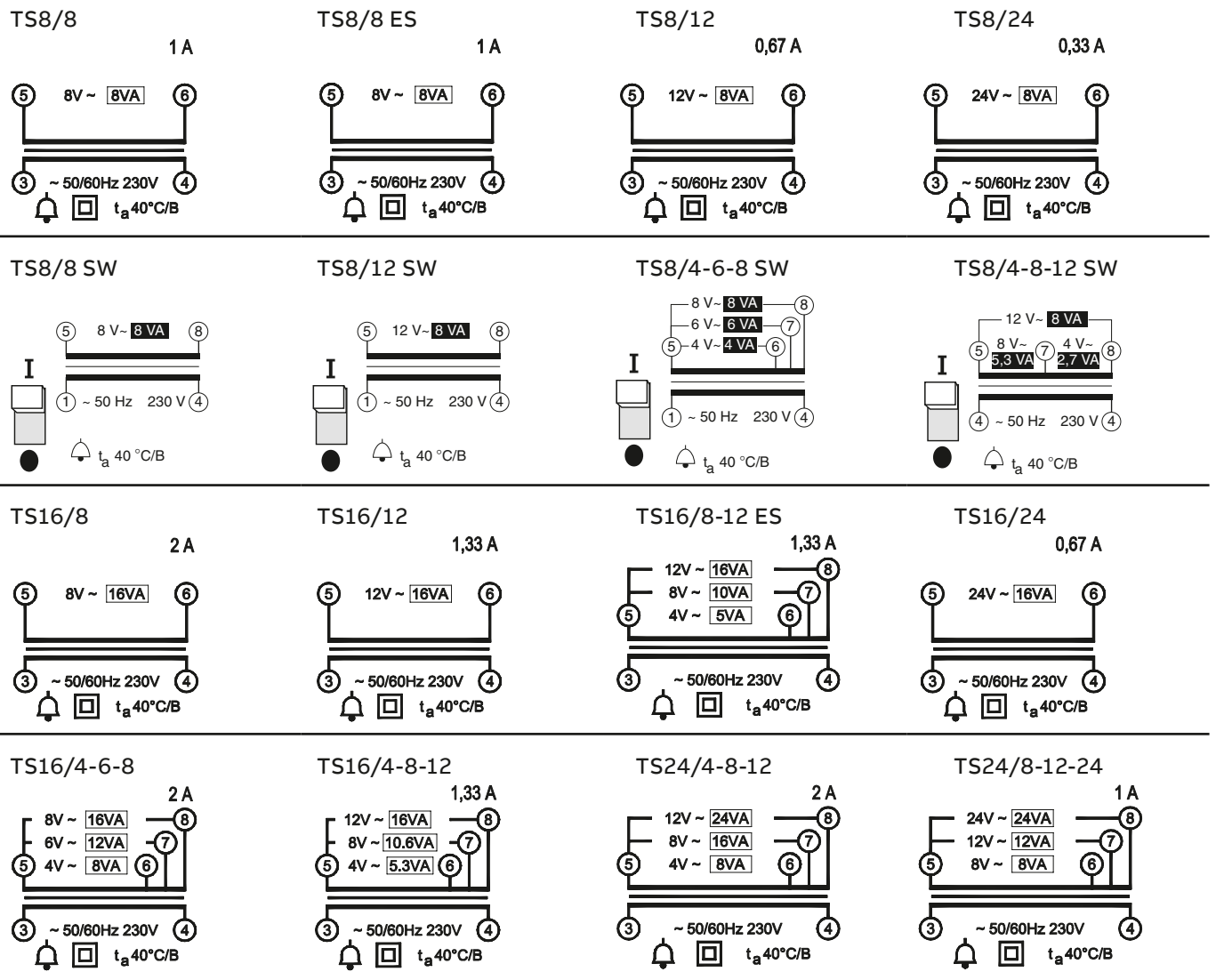
TM40/24



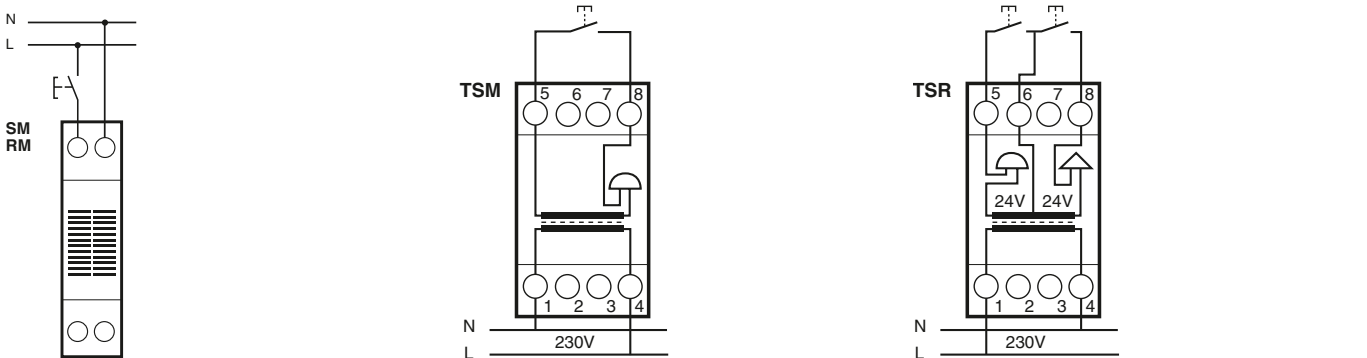
Quick product references

Command and signaling wiring diagrams

TS



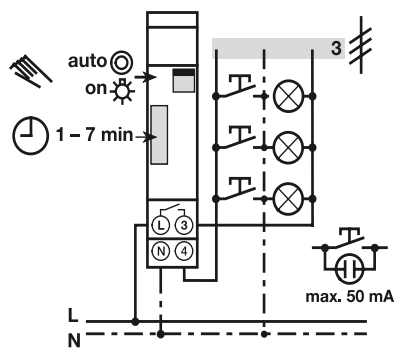
SM, RM...



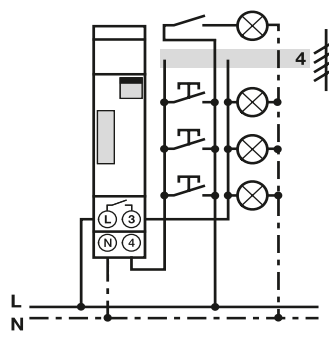
Quick product references

Control and automation wiring diagrams

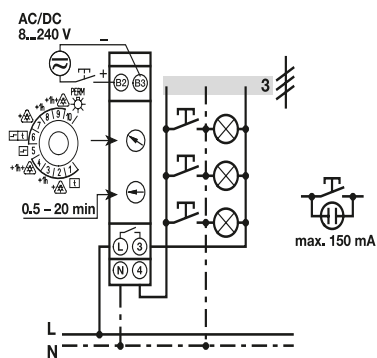
E 232



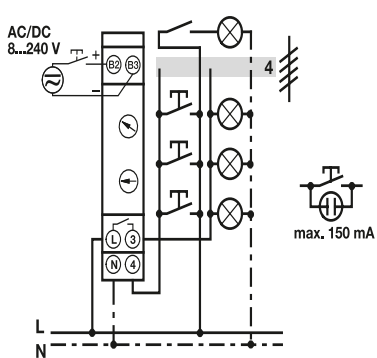
E 232-230 3 conductor



E 232-230 4 conductor



E 232E-8/230 Multi 10 3 conductor

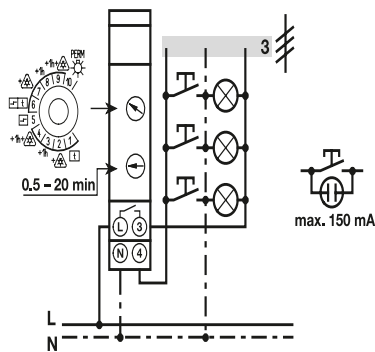


E 232E-8/230 Multi 10 4 conductor

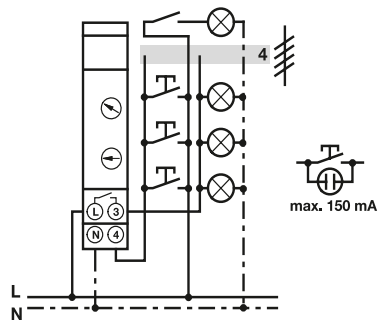
Quick product references

Control and automation wiring diagrams

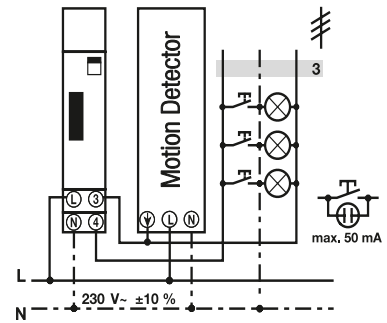
E 232



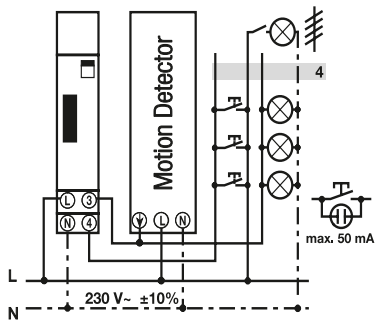
E 232E-230 Multi 10 3 conductor



E 232E-230 Multi 10 4 conductor



E 232E-8/230 Multi 10 3 conductor
E 232E 8/230 3 conductor
E 232E 230 Multi 10 3 conductor
E 232E 230 N 3 conductor
E 232-230 3 conductor



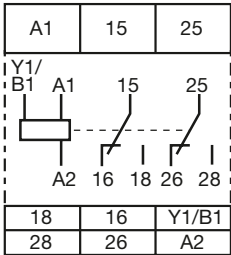
E 232E-8/230 Multi 10 4 conductor
E 232E 8/230 4 conductor
E 232E 230 Multi 10 4 conductor
E 232E 230 N 4 conductor
E 232-230 4 conductor

Quick product references

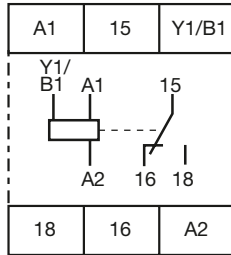
Control and automation wiring diagrams

E 234

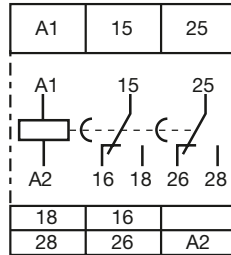
CT-MFD.21



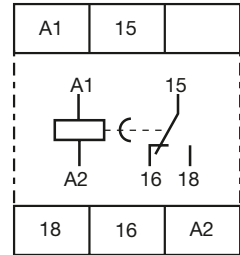
CT-MFD.12



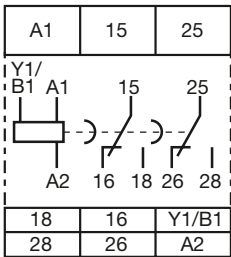
CT-ERD.22



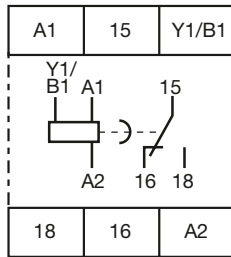
CT-ERD.12



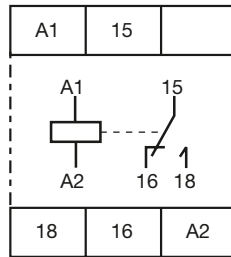
CT-AHD.22



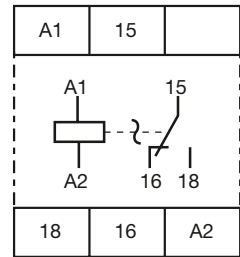
CT-AHD.12



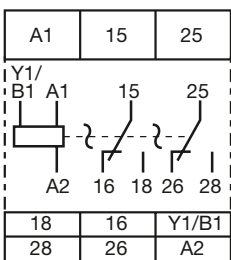
CT-VVD.12



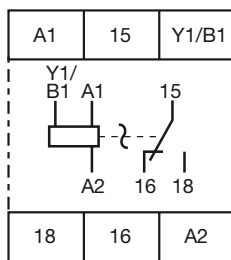
CT-EBD.12



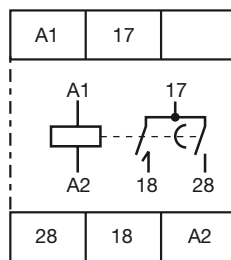
CT-TGD.22



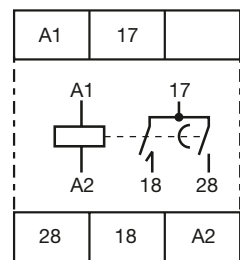
CT-TGD.12



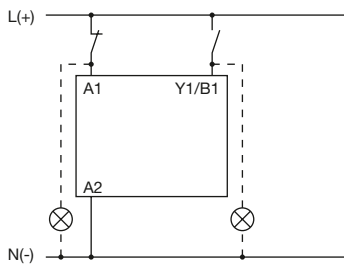
CT-SDD.22



CT-SAD.22



E 234

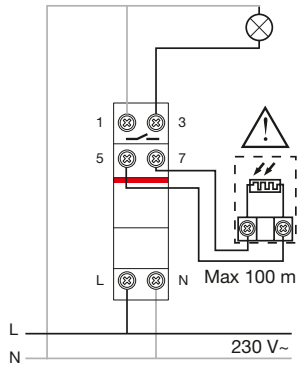


Wiring notes for devices with control input
A parallel load to the control input is possible

Quick product references

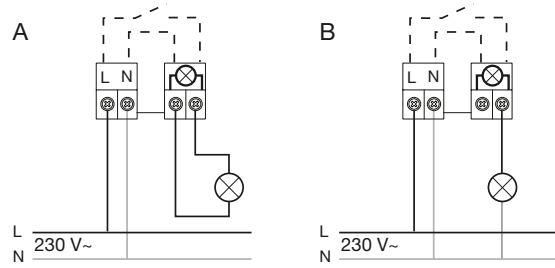
Control and automation wiring diagrams

TL1

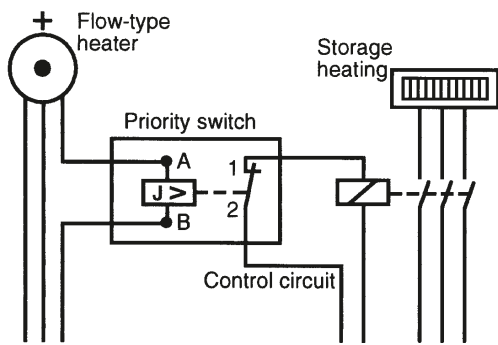


TL1 Pole

230 V~ -30T60
 — 16 (3)A / 250 V~



E 450



E 235

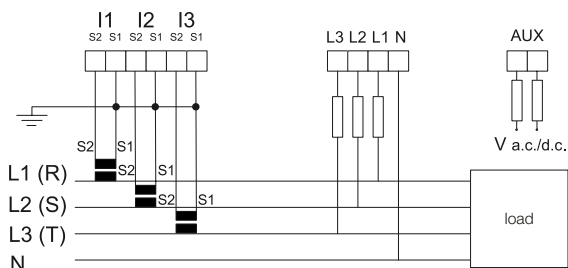


Quick product references

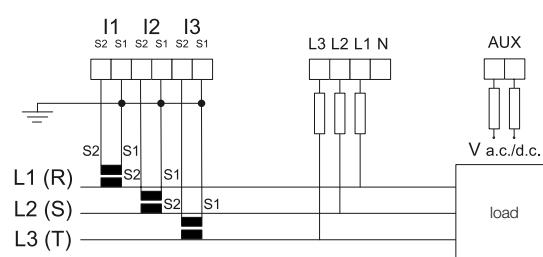
Energy efficiency wiring diagrams

M2M measurement input and auxiliary power supply connections

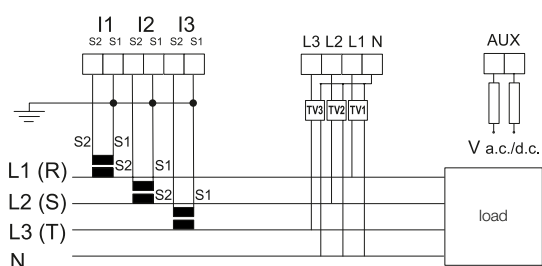
Three-phase + neutral with 3 CT



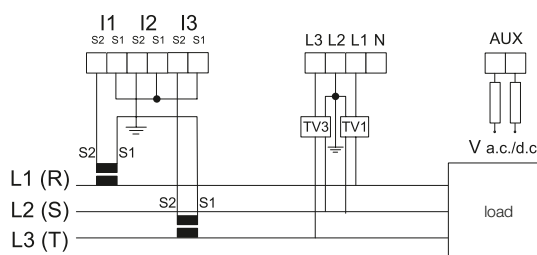
Three-phase with 3 CT



Three-phase + neutral with 3 CT and 3 VT

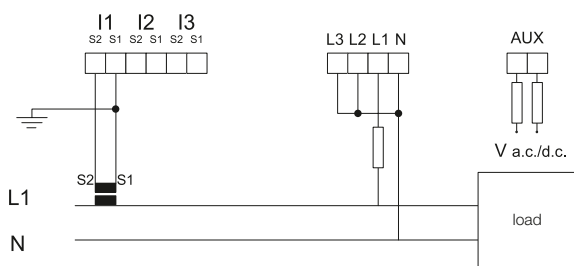


ARON Three-phase with 2 CT and 2 VT

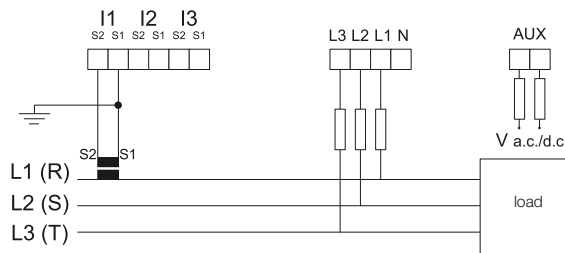


Not suitable for the M2M LV and M2M LV MODBUS models.

Single-phase with 1 CT



Balanced three-phase with 1 CT

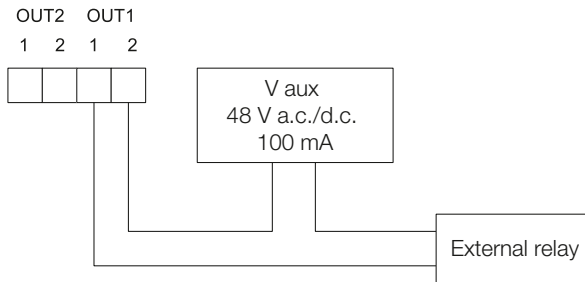


Quick product references

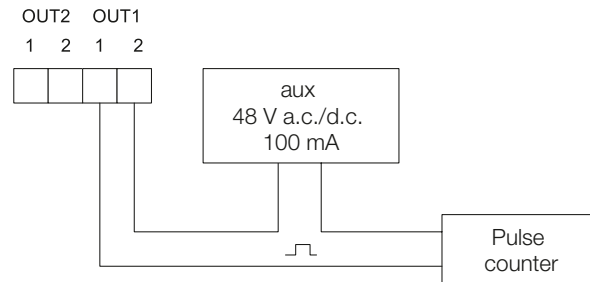
Energy efficiency wiring diagrams

M2M Analogue and digital output connections, digital inputs

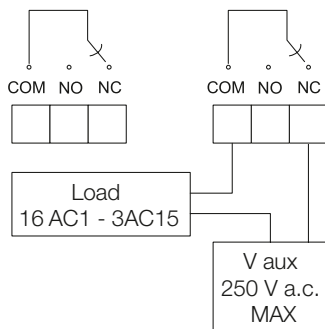
Digital outputs as alarms with external relay for control of loads



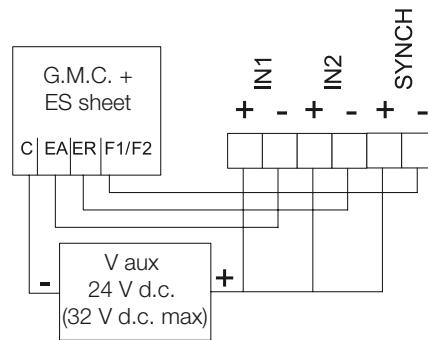
Digital outputs as pulses



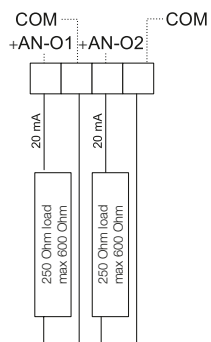
M2M ALARM electromechanical relay outputs



M2M I/O digital inputs (example in NPN mode)



M2M I/O analogue outputs

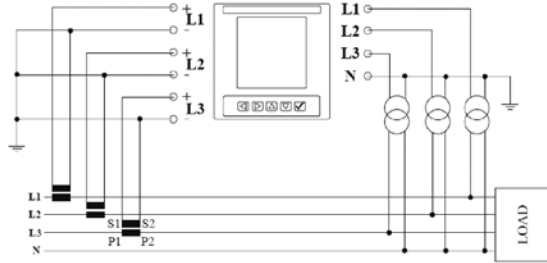


Quick product references

Energy efficiency wiring diagrams

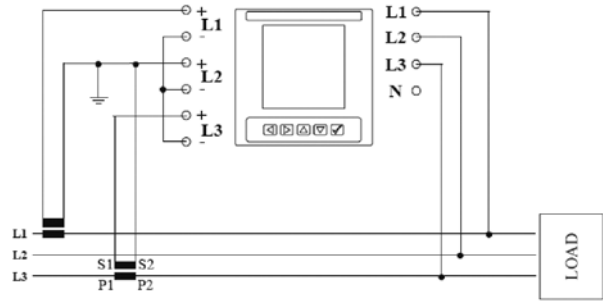
ANR

4 wires insertion

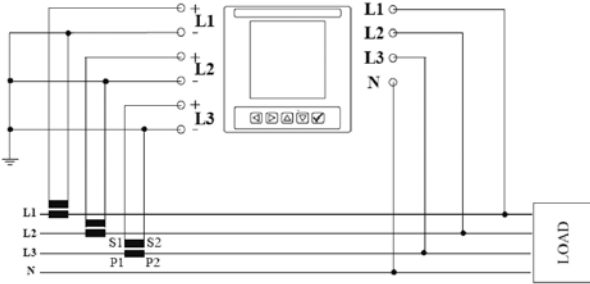


Insertion with 3 CTs and 3 VTs

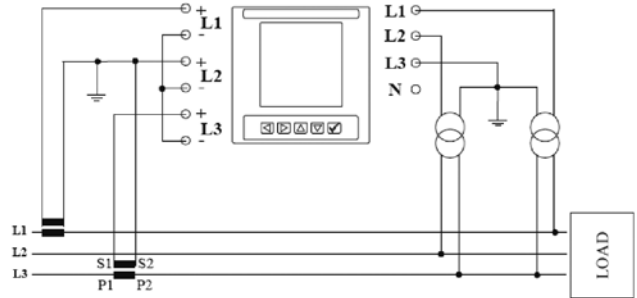
3 wires insertion



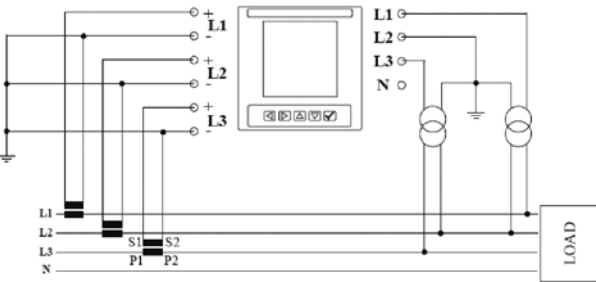
Insertion with 2 CTs



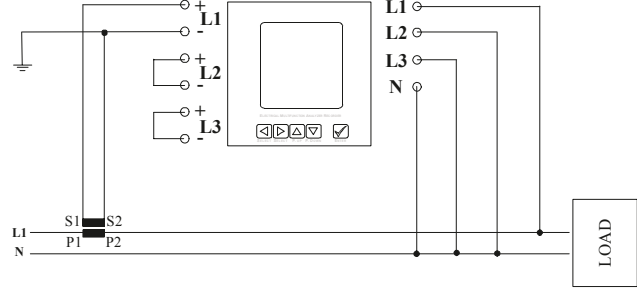
Insertion with 3 CTs



Insertion with 2 CTs and 2 VTs (Aron)



Insertion with 3 CTs and 2 VTs



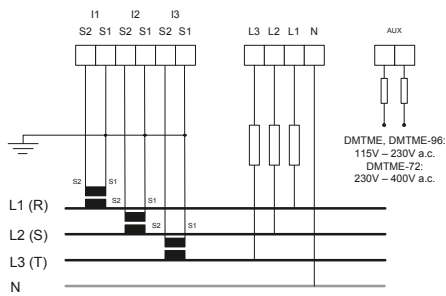
Single phase insertion with 1CT

Quick product references

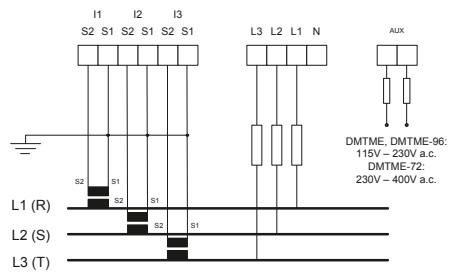
Energy efficiency wiring diagrams

DMTME

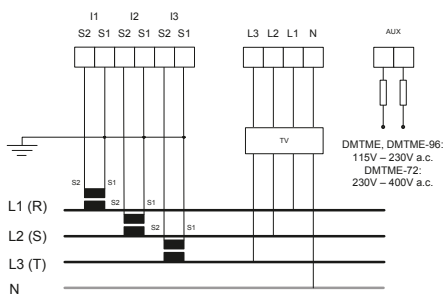
Three-phase with neutral and 3 CTs



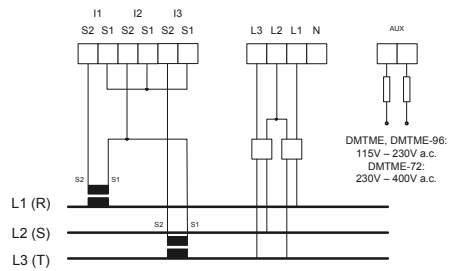
Three-phase with 3 CTs



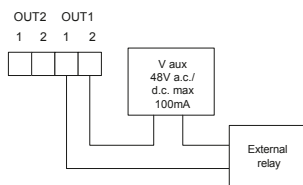
Three-phase with neutral and 3 CTs and 3 VTs
Up to 500 V phase-neutral a direct connection is possible



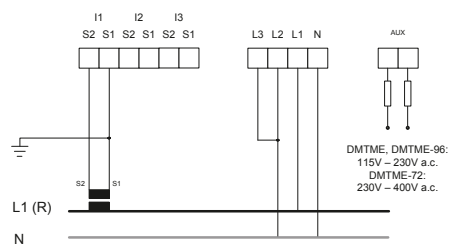
Aron type three-phase with 2 CTs and 2 VTs
With symmetric and unbalanced network, 3 CTs and up to 800 V, beyond this value must use VT.



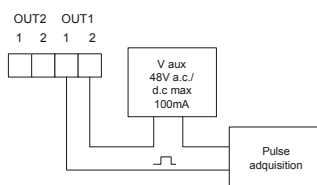
Digital output used as alarm with external relays for load command



Single phase with neutral and 1 CTs



Digital output used as pulses

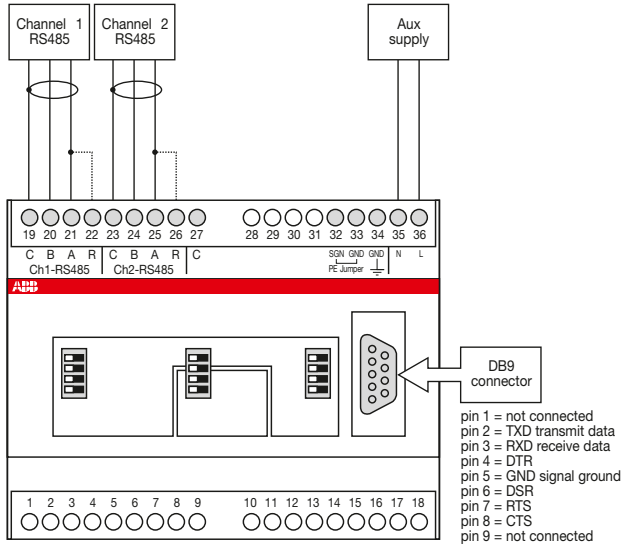


Quick product references

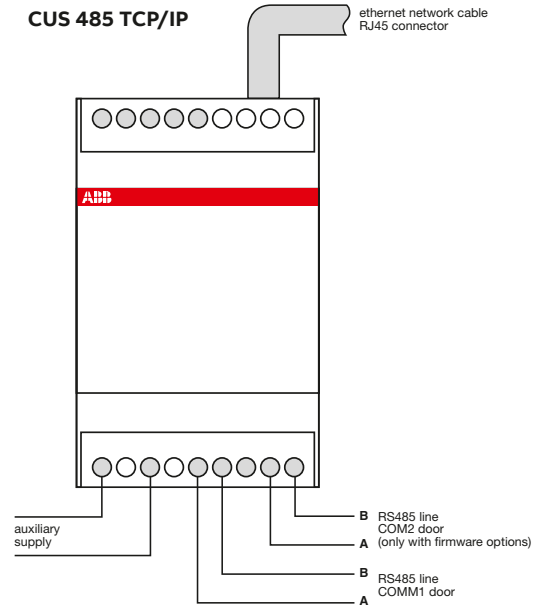
Energy efficiency wiring diagrams

CUS

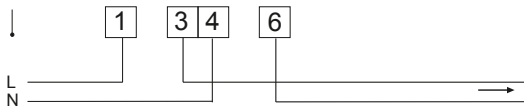
CUS RS485/232



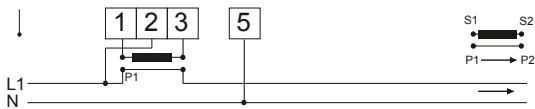
CUS 485 TCP/IP



A series A41

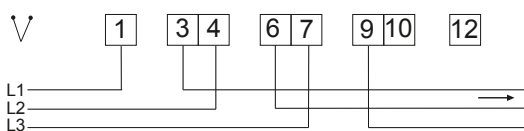


A series A42

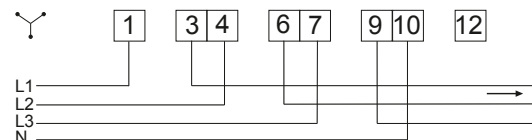


A series A43

3 wire connection, 2 elements



4 wire connection, 3 elements

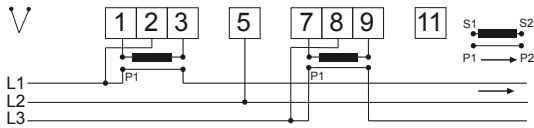


Quick product references

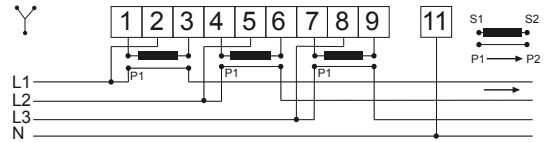
Energy efficiency wiring diagrams

A series A44

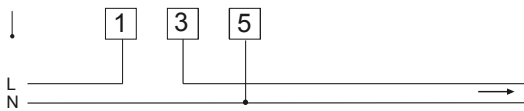
3 wire connection, 2 elements



4 wire connection, 3 elements

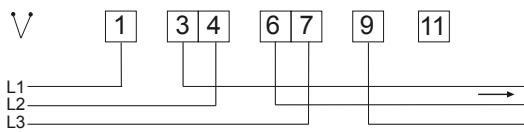


B series B21

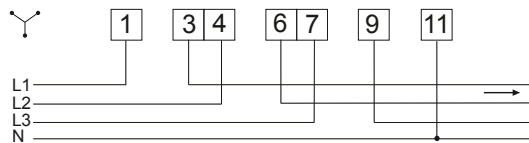


B series B23

3 wire connection, 2 elements

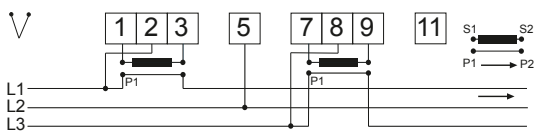


4 wire connection, 3 elements

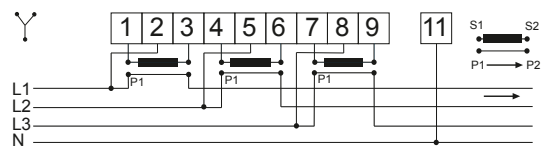


B series B24

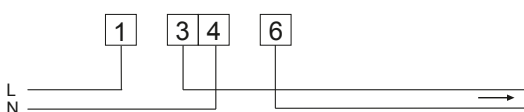
3 wire connection, 2 elements



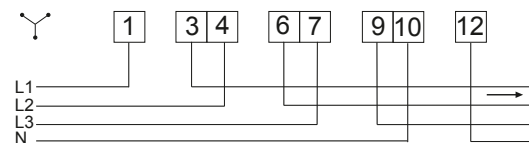
4 wire connection, 3 elements



C series C11



C series C13

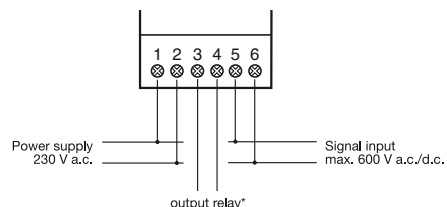


Quick product references

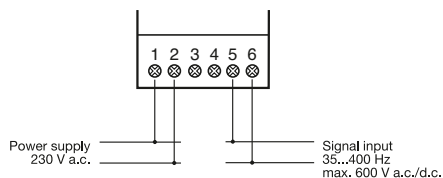
Energy efficiency wiring diagrams

Digital instruments

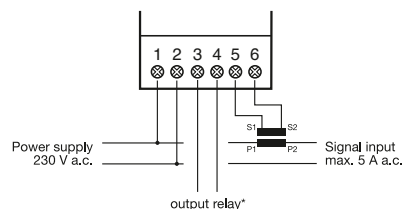
VLMD-1-2 and VLMD-1-2-R VLMD P and VLMD-R P



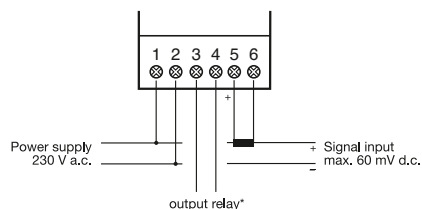
FRZ-DIG



AMTD-1 and AMTD-1-R AMTD-1 P and AMTD-1-R P

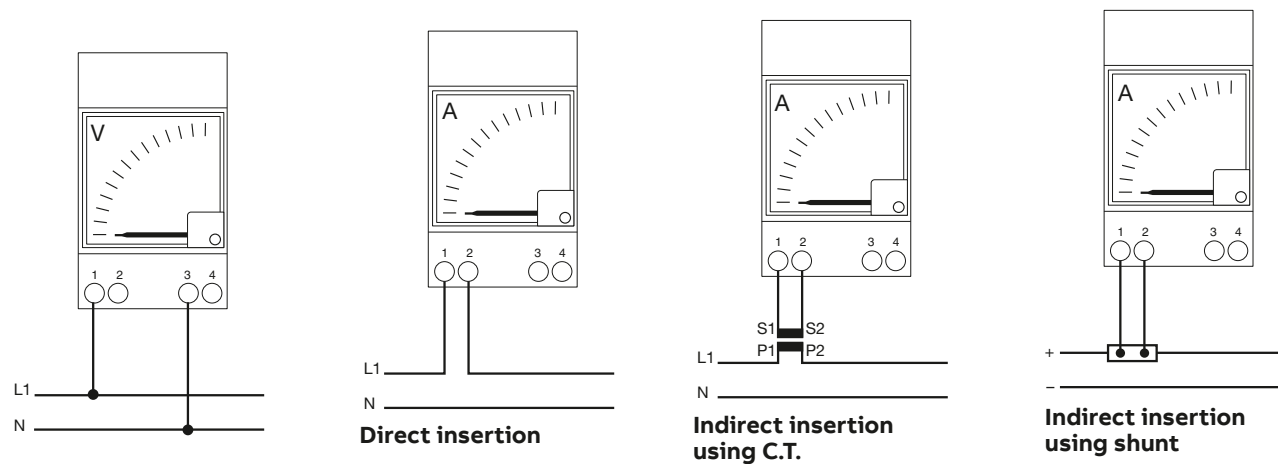


AMTD-2 and AMTD-2-R AMTD-2 P and AMTD-2-R P



*Only for instruments with output relay

Analogue instruments



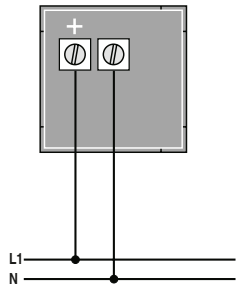
Quick product references

Energy efficiency wiring diagrams

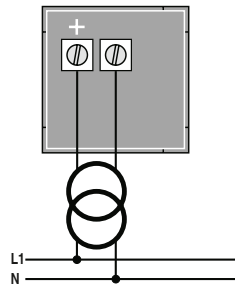
Front panel analogue instruments

Voltmeter for alternating current

Direct insertion

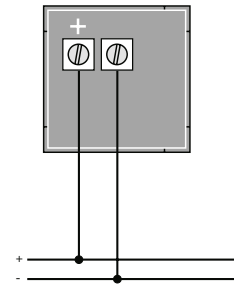


Insertion via VT



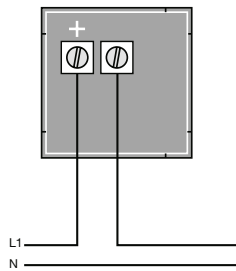
Voltmeter for direct current

Direct insertion

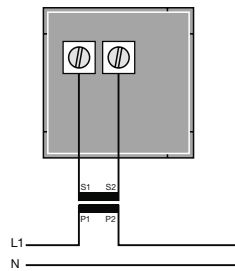


Ammeter for alternating current

Direct insertion

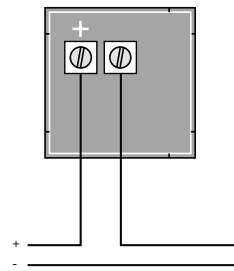


Insertion via CT

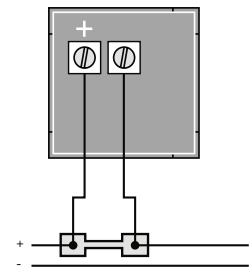


Ammeter for direct current

Direct insertion

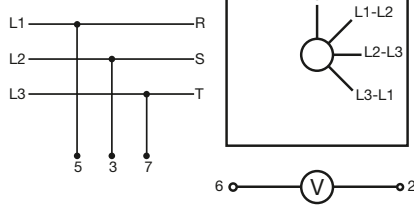


Insertion with Shunt

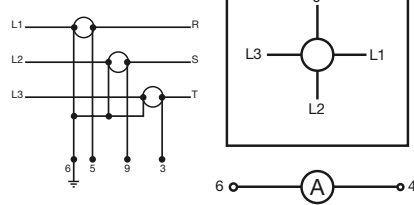


MCV, MCA, QCV and QCA

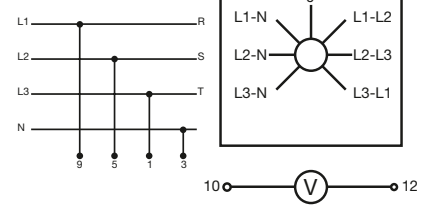
MCV4



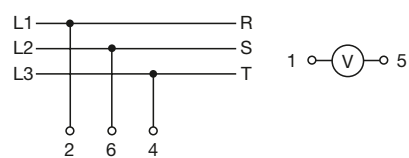
MCA4



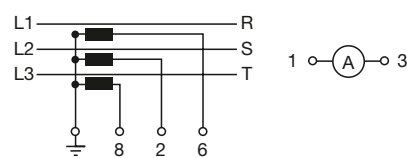
MCV7



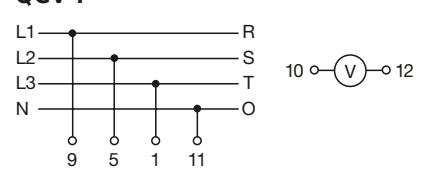
QCV-4



QCA-4



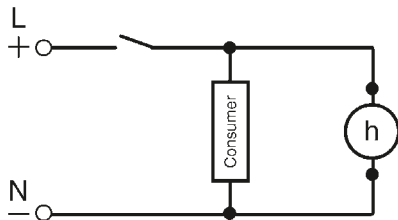
QCV-7



Quick product references

Energy efficiency wiring diagrams

E 233



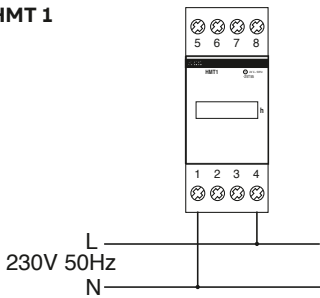
elapsed-time meter



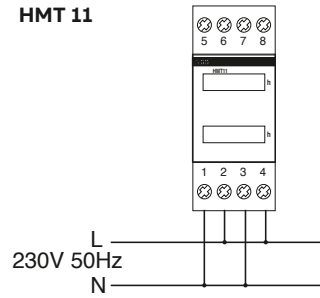
E 233-15/48 DC

HMT

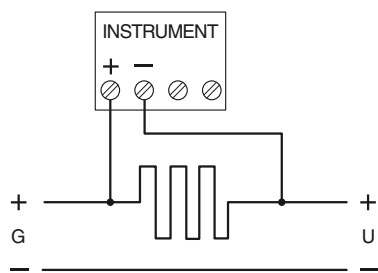
HMT 1



HMT 11



SNT



Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|-----------------------------------|--------------|------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| Miniature circuit breakers | | | | | | |
| S 301 | 1 | 17.5 | 44 | - | 69 | 88 |
| S 301 Na | 2 | 35 | | | | |
| S 302 | 2 | 35 | | | | |
| S 303 | 3 | 52.5 | | | | |
| S 303 Na | 4 | 70 | | | | |
| S 304 | 4 | 70 | | | | |
| S 300 with bottom aux. cont. | See drawings | | | | | |
| S 201 S | 1 | 17.5 | 44 | - | 69 | 89 |
| S 203 S | 3 | 52.5 | 44 | - | 71 | 92 |
| S 201 U | 1 | 17.5 | | | | |
| S 202 U | 2 | 35 | | | | |
| S 203 U | 3 | 52.5 | | | | |
| S 204 U | 4 | 70 | | | | |
| S 201 UDC | 1 | 17.5 | 44 | - | 71 | 92 |
| S 202 UDC | 2 | 35 | | | | |
| S 203 UDC | 3 | 52.5 | | | | |
| S 204 UDC | 4 | 70 | | | | |
| SU 201 M | 1 | 17.5 | 49.5 | - | 69 | 111 |
| SU 202 M | 2 | 35 | | | | |
| SU 203 M | 3 | 52.5 | | | | |
| SU 204 M | 4 | 70 | | | | |
| SN 201 | 1 | 17.6 | 43.5 | 58 | 68.9 | 91.8 |
| S 201 80-100A | 1 | 17.5 | 44 | 58 | 69 | 88.8 |
| S 202 80-100A | 2 | 35 | | | | |
| S 203 80-100A | 3 | 52.5 | | | | |
| S 204 80-100A | 4 | 70 | | | | |
| S750DR | See drawings | | | | | |
| S 801 | 1.5 | 26.5 | 52 | 82.5 | 88.5 | 95 |
| S 802 | 3 | 53 | | | | |
| S 803 | 4.5 | 79.5 | | | | |
| S 804 | 6 | 106 | | | | |
| S 801_-R | 1.5 | 26.5 | 52 | 82.5 | 88.5 | 142 |
| S 802_-R | 3 | 53 | | | | |
| S 803_-R | 4.5 | 79.5 | | | | |
| S 804_-R | 6 | 106 | | | | |

Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|---|--------------|-------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| Residual current devices | | | | | | |
| F 202 | 2 | 35 | 44 | - | 69 | 88 |
| F 204 | 4 | 70 | | | | |
| F 202 B | 2 | 35 | 44 | - | 69 | 85 |
| F 204 B | 4 | 70 | | | | |
| F 204 B high ratings | 4 | 72 | 44 | 60 | 69.5 | 85 |
| F 204 125 A | 2 | 72 | 44 | 60 | 69.5 | - |
| DDA 200 | See drawings | | | | | |
| DS 202 up to 40 A | 4 | 70 | 44 | - | 69 | 93 |
| DS 203 up to 40 A | 5 | 87.5 | | | | |
| DS 204 up to 40 A | 6 | 105 | | | | |
| DS 202 50, 63 A | 4 | 70 | 44 | - | 69 | 93 |
| DS 203 50, 63 A | 7 | 122.5 | | | | |
| DS 204 50, 63 A | 8 | 140 | | | | |
| DS201 | 2 | 35 | 44 | 58 | 69 | 85 |
| DS202C | | | | | | |
| DS203NC | 4 | 70.4 | - | - | 69 | 85 |
| DSE201 - DSE201 M | 1 | 17.5 | - | - | 69 | 100 - 115 |
| DDA 800 | See drawings | | | | | |
| RD2 | 2 | 35 | 44 | 58 | - | 85 |
| RD3 | 3.5 | 58.2 | 44.2 | 57.9 | 57.9 | 85 |
| ELR | See drawings | | | | | |
| Toroidal transformers | See drawings | | | | | |
| AFDD | | | | | | |
| S-ARC1 | 2 | 35 | - | - | 69 | 85 |
| Auxiliary elements and accessories | | | | | | |
| S 2C-A_ | 1 | 17.5 | 44 | - | 69 | 85 |
| S 2C-H11L | | | | | | |
| S 2C-H20L | | | | | | |
| S 2C-H02L | | | | | | |
| S 2C-S/H 6R | | | | | | |
| S 2C-H 6R | | | | | | |
| S 2C-UA_ | 1 | 17.4 | 44 | - | 74 | 85 |
| F 2C-A_ | | | | | | |
| S 2C-OVP | | | | | | |
| F 2C 125A-SH/S2C-Nt | 0.5 | 8.8 | 44 | - | 70 | 88 |
| Bottom fixing aux. cont. | See drawings | | | | | |
| S 2C-EST | See drawings | | | | | |
| S 2C-BP | 1 | 17.5 | 44 | - | 68 | 85 |

Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|--|--------------|---------------|------------------|-------------------|-----------------|---------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| S 2C-CM | See drawings | | | | | |
| F 2C-ARI | See drawings | | | | | |
| F 2C-CM | See drawings | | | | | |
| F 2C-ARH | See drawings | | | | | |
| F 2C-ARH-T | See drawings | | | | | |
| Aux. elements for SN201 | See drawings | | | | | |
| Aux. elements for S280 and S290 | 0.5 | 8.75 | 44 | - | 73 | 90 |
| | 1 | 17.5 | | | | |
| S800-AUX | See drawings | | | | | |
| S800-RSU-H | See drawings | | | | | |
| S800-RD+S800-RHE | See drawings | | | | | |
| Terminal covers | See drawings | | | | | |
| Enclosures | See drawings | | | | | |
| Flush frame | See drawings | | | | | |
| Busbars | See drawings | | | | | |
| Me flange | See drawings | | | | | |
| OH_2A_ | See drawings | | | | | |
| Protection and safety | | | | | | |
| Type 1-7 SPD 1 pole | 1 | 17.8 | 85 | | | |
| Type 1-7 SPD 4 poles /(TS) | 4 | 89 | | | | |
| Type 1+2 25kA or 12.5kA (440V) SPD 1 pole /(TS) | 2 | 36 | 52 | 58 | - | 108.1/(109.2) |
| Type 1+2 25kA or 12.5kA (440V) SPD 2 poles /(TS) | 4 | 72 | | | | |
| Type 1+2 25kA or 12.5kA (440V) SPD 3 poles /(TS) | 6 | 108 | | | | |
| Type 1+2 25kA or 12.5kA-440V SPD 4 poles | 8 | Type 1+2 25kA | | | | |
| Type 1+2 12.5kA 275V, Type 2 (RES) or Type 2+3 SPD 1 poles /(TS) | 1 | 17.8 | 88/(95) | | | |
| Type 1+2 12.5kA 275V, Type 2 (RES) or Type 2+3 SPD 2 poles | 2 | 36 | | | | |
| Type 1+2 12.5kA 275V, Type 2 (RES) or Type 2+3 4 poles /(TS) | 3 | 35.6 | | | | |
| Type 1+2 12.5kA 275V, Type 2 (RES) or Type 2+3 4 poles /(TS) | 4 | 71.2 | | | | |
| E90 20/32 and PV (1000 VDC) 1 pole | 1 | 17.5 | - | | | |
| E90 20/32 1 pole + N | 2 | 35 | | | | |
| E90 20/32 and PV (1000 VDC) 2 poles | 2 | 35 | | | | |
| E90 20/32 3 poles | 3 | 52.5 | | | | |
| E90 20/32 3 poles + N | 4 | 70 | | | | |
| E90 20/32 4 poles | 4 | 70 | | | | |
| | | | | | 64 | 85 |

Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|------------------------|---------|------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| E90/32 PV 1500 | | | | | | |
| E90 50 1 pole | | | | | | |
| E90 50 1 pole + N | | | | | | |
| E90 50 2 poles | | | | | | |
| E90 50 3 poles | | | | | | |
| E90 50 3 poles + N | | | | | | |
| E90 125 1 pole | | | | | | |
| E90 125 1 pole + N | | | | | | |
| E90 125 2 poles | | | | | | |
| E90 125 3 poles | | | | | | |
| E90 125 3 poles + N | | | | | | |
| E90 30 Class J 1 pole | | | | | | |
| E90 30 Class J 2 poles | | | | | | |
| E90 30 Class J 3 poles | | | | | | |
| E90 60 Class J 1 pole | | | | | | |
| E90 60 Class J 2 poles | | | | | | |
| E90 60 Class J 3 poles | | | | | | |
| ILTS-E 1 pole | 1.5 | 27 | | | | |
| ILTS-E 2 poles | 3 | 54 | 44 | 70 | 70 | 90 |
| ILTS-E 3 poles | 4.5 | 81 | | | | |
| ILTS-E 4 poles | 6 | 108 | | | | |
| SQZ3 | 3 | 52.5 | 44 | 58 | 58 | 85 |
| E 236 US1 | 2 | 35 | 44 | 60 | 65 | 87 |
| E 236 US2 | | | | | | |
| E 236 US1.1 | | | | | | |
| E 236 US2.1 | 1 | 17.5 | 44 | 60 | 60 | 87 |
| E 236 US1.1D | | | | | | |
| Isoltester-DIG | 6 | 105 | 44 | 56 | 61 | 90 |
| Selvtester-24 | 3 | 52.5 | 44 | 58 | 58 | 85.5 |
| QSD | | | | | | |
| TI | | | | | | |
| QSO | | | | | | |
| ISL-A 115 | | | | | | |
| ISL-A 230 | | | | | | |
| ISL-A 600 | 6 | 105 | 44 | 58 | 65 | 90 |
| ISL-C 600 | | | | | | |
| ISL-A 24-28 | | | | | | |
| ISL-C 230 | | | | | | |
| ISL-C 440 | 3 | 52.5 | 44 | 58 | 65 | 85.5 |
| ISL-MOT 1000 | | | | | | |

Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|------------------------------|--------------|------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| Command and signaling | | | | | | |
| E201 | 1 | 17.5 | 44 | 58 | 70 | 85 |
| E202 | 2 | 35 | | | | |
| E203 | 3 | 52.5 | | | | |
| E204 | 4 | 70 | 44 | 58 | 70 | 85 |
| E463 | 2.5 | 44 | | | | |
| E210 | 0.5 | 9 | | | | |
| E210 | 1 | 18 | 43.5 | 58 | 67.9 | 85 |
| ESB 20 | 1 | 17.5 | 44 | 58 | 58 | 85 |
| ESB 24 | 2 | 35 | | | | |
| ESB 40 | 3 | 54 | | | | |
| ESB 63 | 3 | 54 | 44 | 58 | 58 | 85 |
| EN 20 | 1 | 17.5 | | | | |
| EN 24 | 2 | 35 | | | | |
| EN 40 | 3 | 54 | 44 | 58 | 58 | 85 |
| EN 63 | 3 | 54 | | | | |
| E290 | See drawings | | | | | |

Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|--------------------------------|--------------|------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| STD | See drawings | | | | | |
| E 234 1 concontact | 1 | 17.5 | 43.4 | 58 | 58 | 70 |
| E 234 2 contacts | | | | | | 80 |
| TS 25 C | 4 | 70 | 44 | 58 | 58 | 85 |
| TS 40 C | 4 | 70 | | | | |
| TS 63 C | 5 | 87.5 | | | | |
| TM10 | 2 | 35 | 44 | 58 | 58 | 85 |
| TM15 | | | | | | |
| TS8...16 | | | | | | |
| TM30 | 3 | 52.5 | 44 | 58 | 58 | 85 |
| TM40 | | | | | | |
| TS24 | | | | | | |
| SM | 1 | 17.5 | 44 | 58 | 58 | 85 |
| RM | | | | | | |
| TSM | 2 | 35 | 44 | 58 | 58 | 85 |
| TSR | | | | | | |
| CP-D 15/0.83 | 1 | 18 | 44 | 58 | 58 | 91 |
| CP-D 24/0.42 | | | | | | |
| CP-D 24/2.5 | 4 | 71 | 44 | 58 | 58 | 91 |
| CP-D 15/2.1 | 3 | 53 | | | | |
| CP-D 24/1.3 | | | | | | |
| CP-D 24/4.2 | 5 | 89.9 | | | | |
| TM- M117_ M1011 M1363 | See drawings | | | | | |
| M117_ | 2.5 | 44 | 44 | 60 | 60 | 85 |
| M1011 | 3 | 53 | | | | |
| M1363 | | | | | | |
| MA1-8001 | See drawings | | | | | |

Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|-------------------------------|--------------|------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| Control and automation | | | | | | |
| AT1e | 1 | 17.8 | | | | |
| AT1e-R | | | 44 | 60 | 60 | 88.5 |
| AT2, AT2e | | | | | | |
| AT2-R, AT2e-R | 2 | 35 | | | | |
| AT2-7R, AT2e-7R | | | | | | |
| AT72e | See drawings | | | | | |
| D Line | 2 | 35 | 43.8 | 60 | 60 | 90 |
| E 232-230 | 1 | 17.5 | 44 | 59 | 59 | 88 |
| E 232 E | | | | | 58 | 90 |
| TWA-1 | | | | | | |
| TWA-2 | 2 | 35.8 | 43.8 | 60 | 60 | 85 |
| T1, T1 PLUS | 1 | 17.5 | - | - | 65 | 86 |
| E 450 | 1 | 17.5 | - | 60 | 60 | 85 |
| LSS1/2 | 5 | 87.5 | - | 58 | 58 | 85 |
| E 235 | 1 | 17.5 | - | 58 | 58 | 85 |

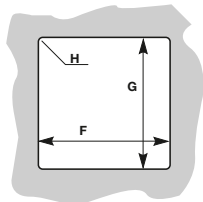
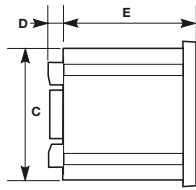
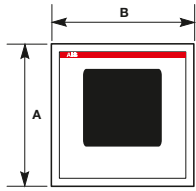
Quick product references

Overall dimensions

| Modular products | Width | | Depth | | Max. dimensions | |
|--|--------------|------|------------------|-------------------|-----------------|------------|
| | modules | mm | DIN-rail to door | DIN-rail to front | max depth | max height |
| Energy efficiency | | | | | | |
| Modular analogue measurement instruments | 3 | 52.5 | 44 | 58 | 58 | 85 |
| Modular digital measurement instruments | 3 | 52.2 | 44 | 58 | 58 | 85 |
| MCV, MCA | See drawings | | | | | |
| QCV, QCA | See drawings | | | | | |
| DMTME | 6 | 105 | 44 | 58 | 58 | 90 |
| CUS | 6 | 105 | 44 | 58 | 58 | 90 |
| CUS 485 | 3 | 52.5 | | | | |
| TRF M | 3 | 52.5 | 44 | 58 | 58 | 85.5 |
| TV2 | See drawings | | | | | |
| Shunts | See drawings | | | | | |
| E 233 | 1 | 17.5 | 44 | 58 | 58 | 85 |
| HMT | 2 | 35 | 44 | 58 | 58 | 85 |
| A41 | 4 | 70 | | | | |
| A42 | | | | | | |
| A43 | 7 | 123 | | | | |
| A44 | | | | | | 97 |
| B21 | 2 | 35 | 44 | 65 | 65 | |
| B23 | 4 | 70 | | | | |
| B24 | | | | | | |
| C11 | 1 | 17.5 | | | | 111 |
| C13 | 3 | 54 | | | | 122 |

Quick product references

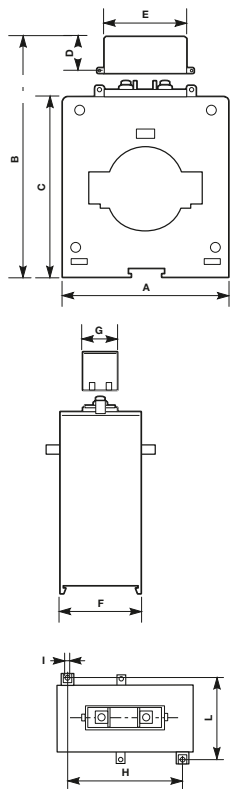
Overall dimensions



| Product without modular profile | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | G [mm] | H |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|----|
| Front panel devices | | | | | | | | |
| SL - 48 | 48 | 48 | 44 | 7 | 48 | 45 | 45 | R3 |
| SL - 72 | 144 | 72 | - | 9 | 55 | 67 | 137 | R3 |
| Analogue measurement instruments - 48 | 48 | 48 | 43 | 6 | 53 | 45±0.1 | 45±0.1 | R3 |
| Analogue measurement instruments - 72 | 72 | 72 | 67 | 6 | 53 | 68±0.7 | 68±0.7 | R3 |
| Analogue measurement instruments - 96 | 96 | 96 | 90 | 6 | 53 | 92±0.8 | 92±0.8 | R3 |
| Digital measurement instruments | 36 | 72 | 32 | 6 | 51.5 | 68±0.8 | 33±0.8 | R3 |
| M2M | 96 | 96 | 90 | 16 | 61 | 92 | 92 | R3 |
| ANR 96 | 96 | 96 | 90 | 14 | 115 | 92 | 92 | R3 |
| TMD | 96 | 96 | 90 | 14 | 115 | 92 | 92 | R3 |
| DMTME - 96 | 96 | 96 | 90 | 13 | 90 | 92 | 92 | R3 |
| DMTME - 72 | 72 | 72 | - | 10 | 90 | 68 | 68 | R3 |

Quick product references

Overall dimensions

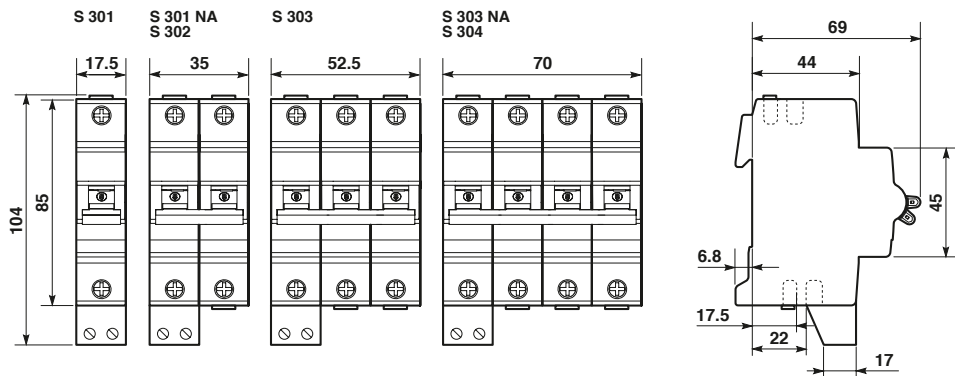


| Product without modular profile | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | G [mm] | H [mm] | I [mm] | L [mm] |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Measurement current transformers | | | | | | | | | | |
| CT MAX | see drawings | | | | | | | | | |
| CT PRO XT | see drawings | | | | | | | | | |
| CTA | see drawings | | | | | | | | | |
| CT6 | 105 | 121 | 100 | 18.5 | 75 | 61 | 21 | 82 | 3.7 | 76.7 |
| CT8 | 125 | 142 | 120 | 18.5 | 50 | 61.5 | 21 | 82 | 3.7 | 76.7 |
| CT8-V | 109 | 141 | 119 | 18.5 | 50 | 41 | 21 | - | - | - |
| CT12 up to 4000 A | 180 | 196 | 175 | 18.5 | 50 | 68.5 | 21 | 156.8 | 3.7 | 84 |
| CT12 5000 A, CT12 6000 A | 272 | 290 | 265 | 25 | 50 | - | - | - | - | 50 |
| CT12-V | 109 | 186 | 165 | 18.5 | 50 | 41 | 21 | - | - | - |
| CTO | see drawings | | | | | | | | | |

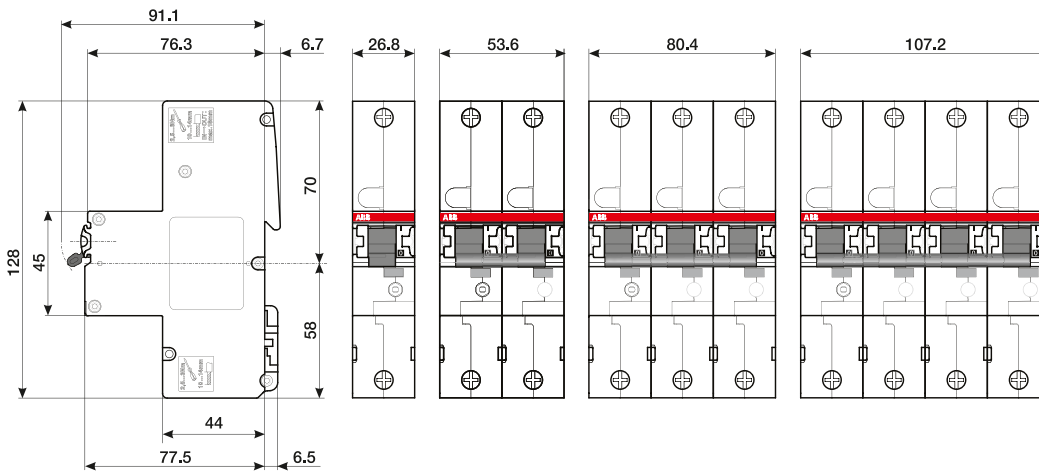
Quick product references

Overall dimensions

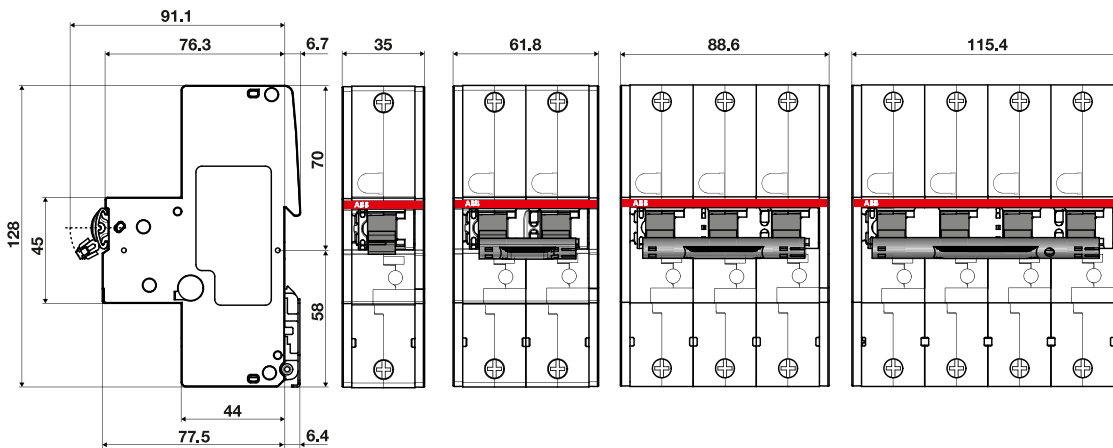
S 200/S 300 with bottom-fitting auxiliary contact



S 750 DR 16...63A



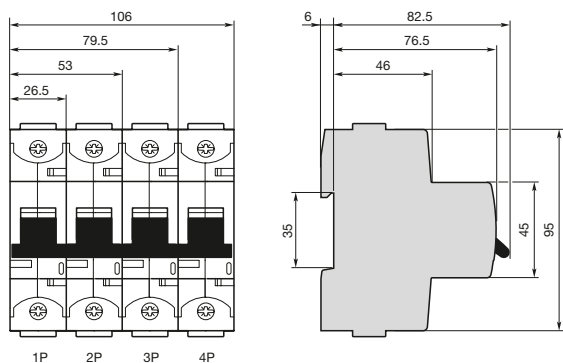
S 750 DR 80...100A



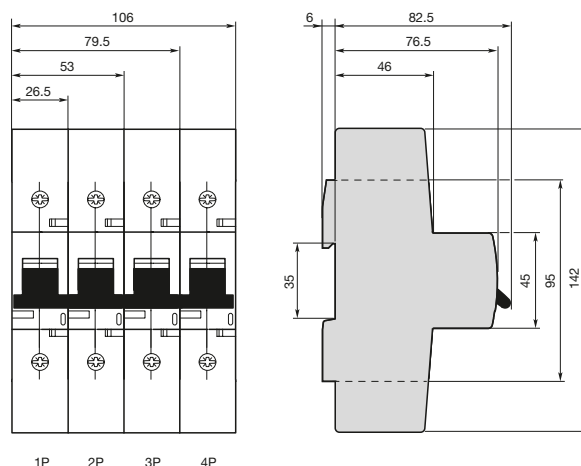
Quick product references

Overall dimensions

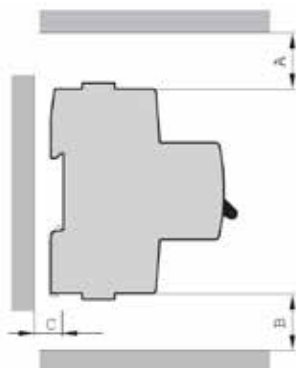
S800S, S800N, S800C, S800B, S800U, S800PV-SP, S800PV-SD



S800 with Ringlug terminals



S800 mounting distances



S800S, S800N, S800C

up to 254/440 VAC or 500VDC

S800S-UC

up to 1000 VDC

S800S-SCL-SR

up to 400/690 VAC

| Dimensions | isolated parts/surfaces | not isolated parts/surfaces |
|------------|-------------------------|-----------------------------|
| A | 25 | 100 |
| B | 25 | 25 |
| C | 7 | 50 |

S800S, S800N, S800C, S800HV

from 254/440 VAC up to 400/690 VAC or 588/1000 VAC (S800HV)

S800B

up to 230/400 VAC or 300 VDC

S800PV-SP

up to 1500 VDC

| Dimensions | isolated parts/surfaces | not isolated parts/surfaces |
|------------|-------------------------|-----------------------------|
| A | 25 | 50 |
| B | 25 | 25 |
| C | 7 | 50 |

S800HV-SCL-SR

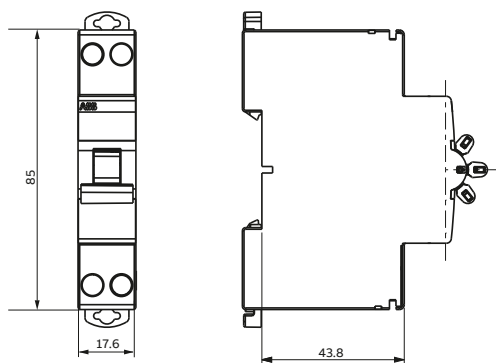
up to 580/1000 Vac

| Dimensions | isolated parts/surfaces | not isolated parts/surfaces |
|------------|-------------------------|-----------------------------|
| A | 25 | 150 |
| B | 25 | 25 |
| C | 7 | 50 |

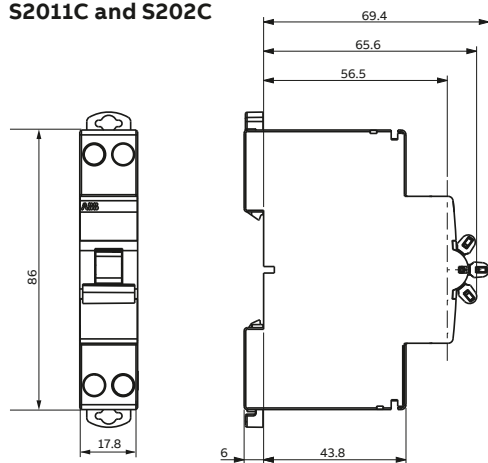
Quick product references

Overall dimensions

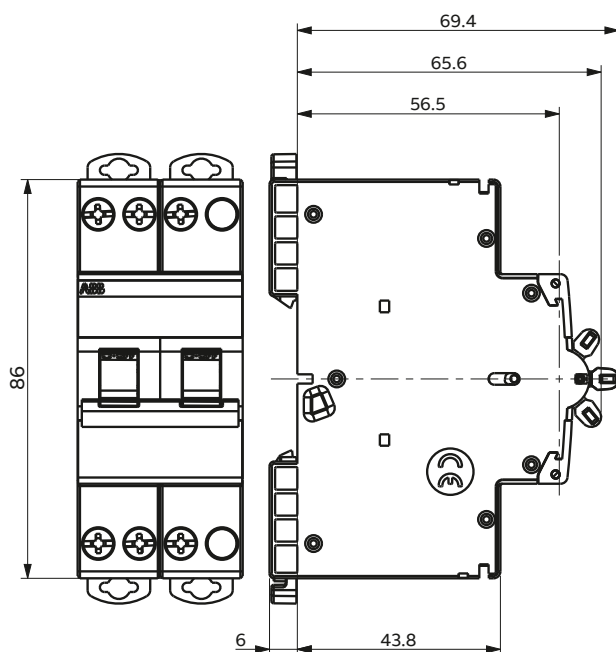
SN201



S2011C and S202C



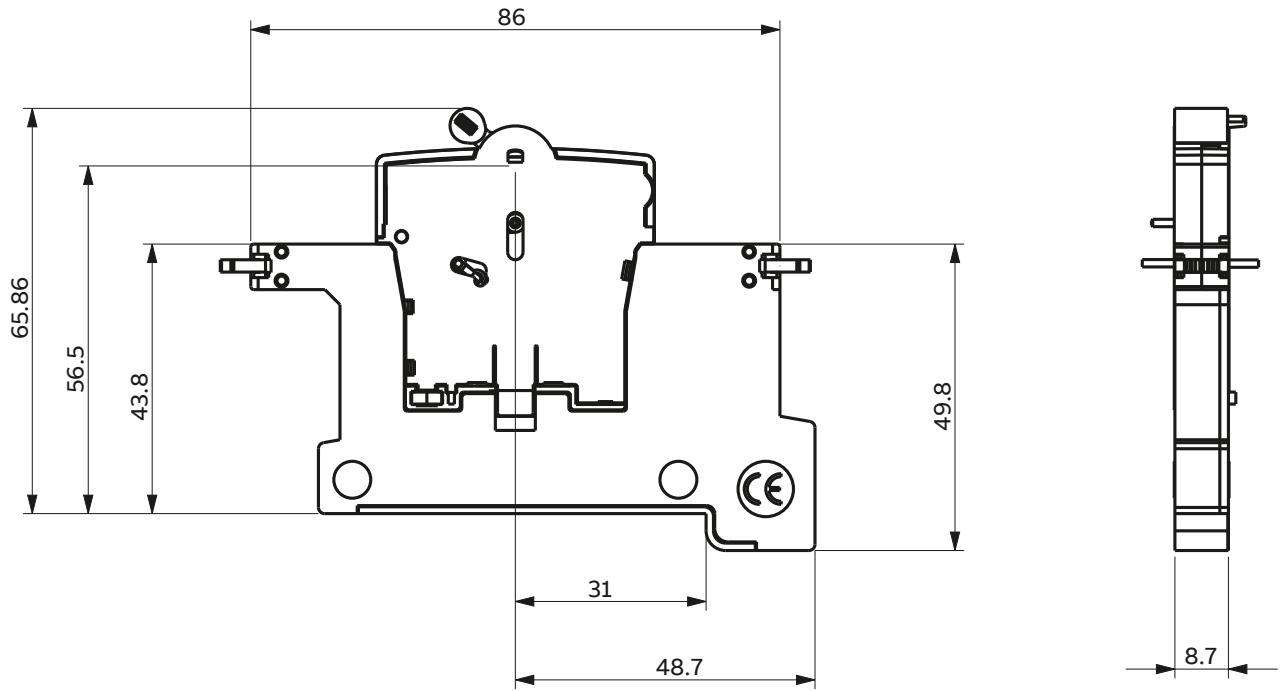
S203C and S204C



Quick product references

Overall dimensions

S200C Compact MCBs - Auxiliary contact

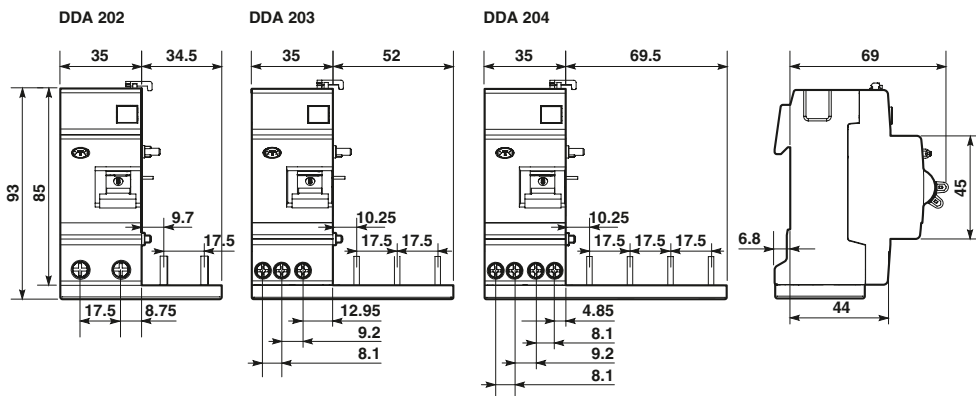


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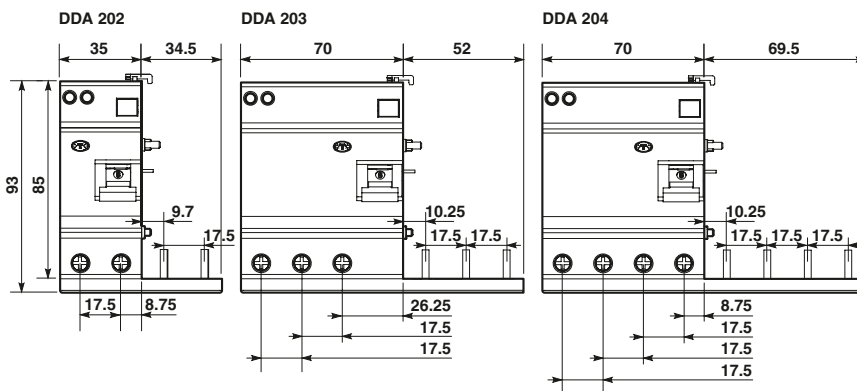
Overall dimensions

DDA 200

In=25-40 A



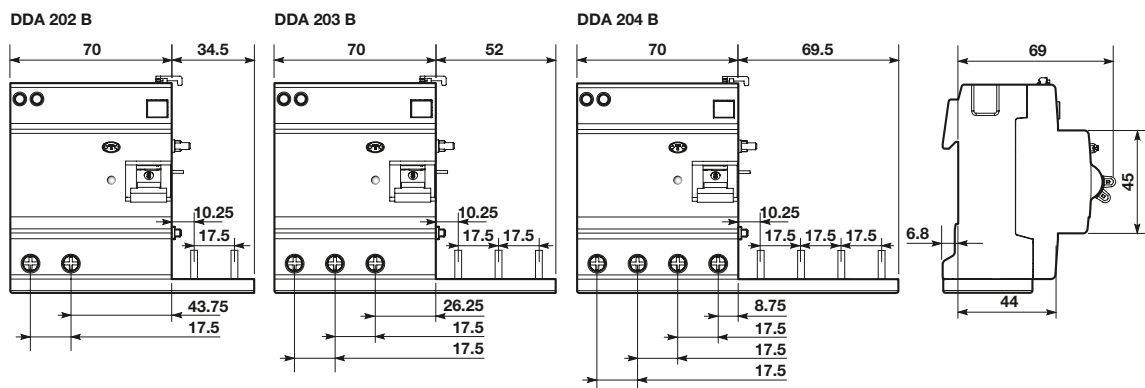
In=63 A



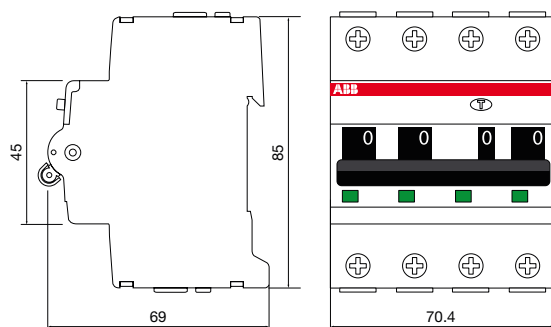
Quick product references

Overall dimensions

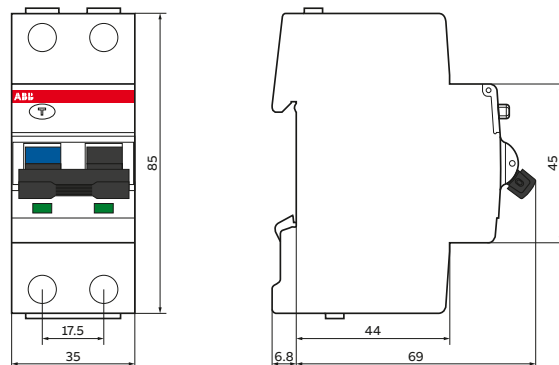
DDA 200 B



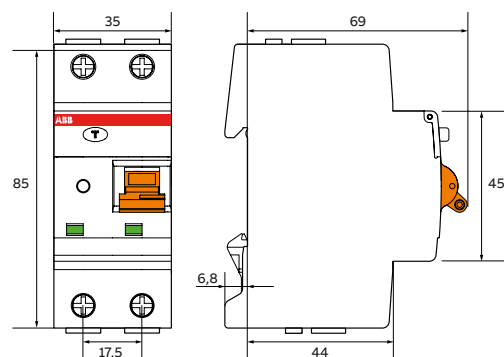
DS203NC



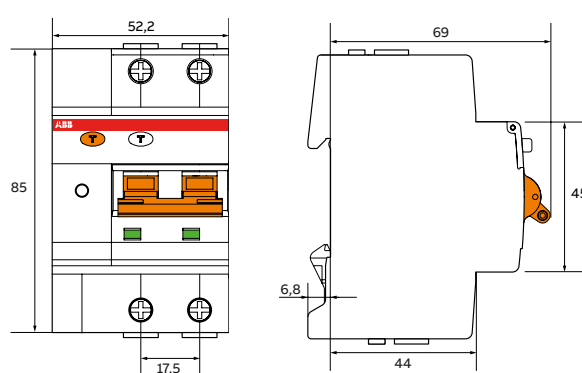
DS201 - DS202C



S-ARC1



S-ARC1

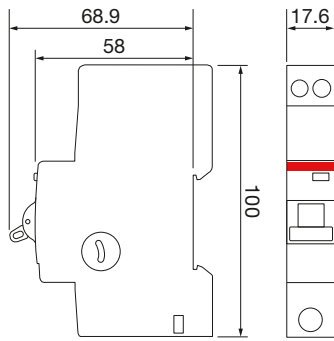


Dimensions in mm

Quick product references

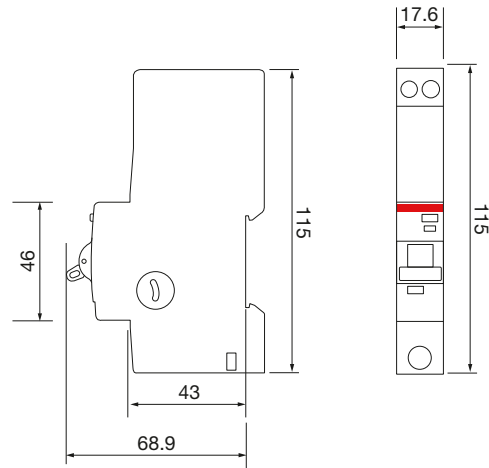
Overall dimensions

DSE201

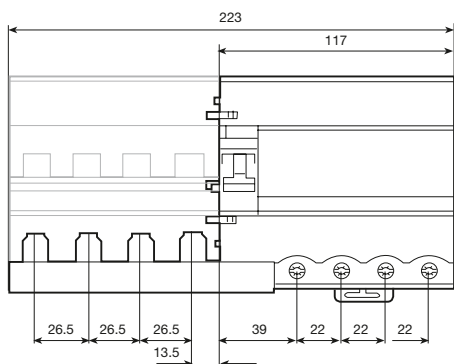
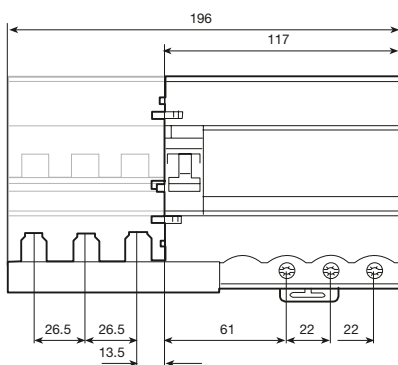
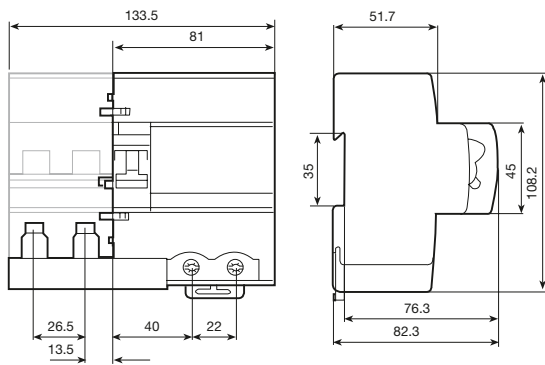


50A version is 115 mm height

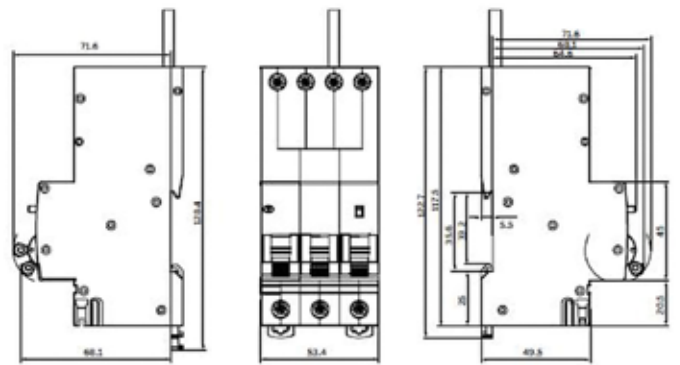
DSE201M



DDA 800 for S800 and DS800 series



DSE203N M

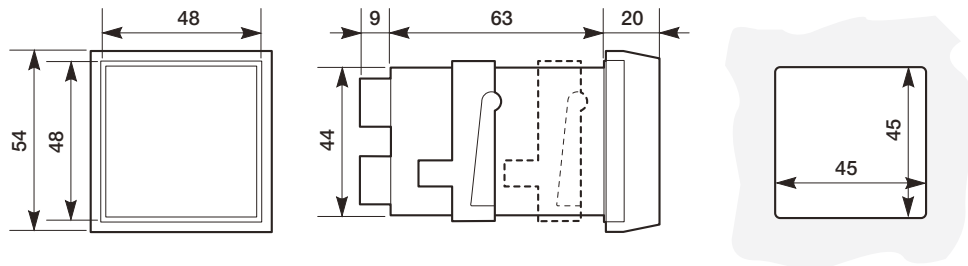


Quick product references

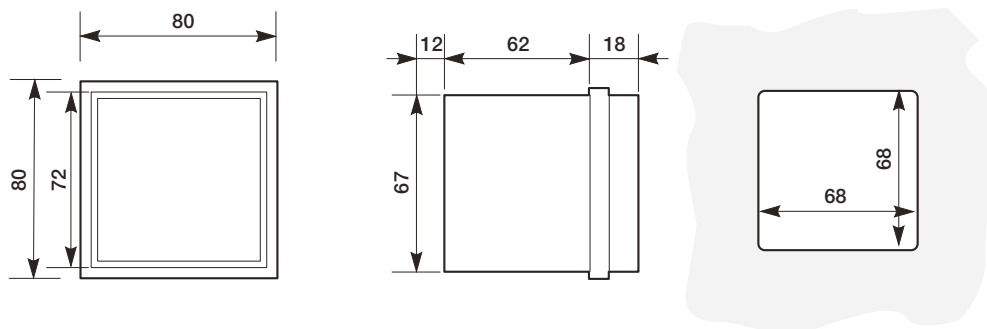
Overall dimensions

ELR front panel residual current relays

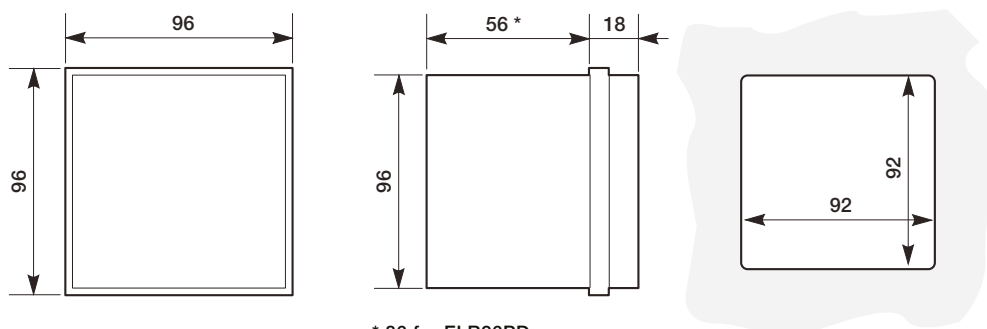
ELR48P



ELR72



ELR96



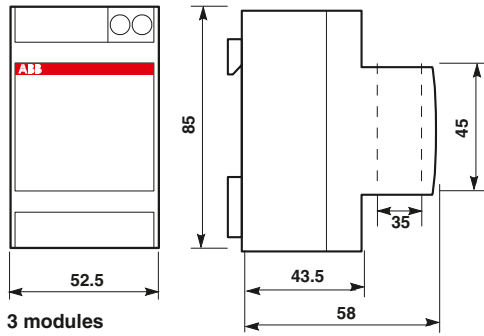
* 86 for ELR96PD

Quick product references

Overall dimensions

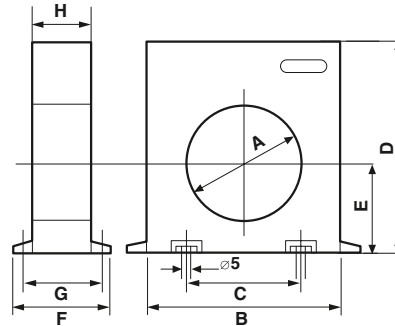
Toroidal transformers

TRM

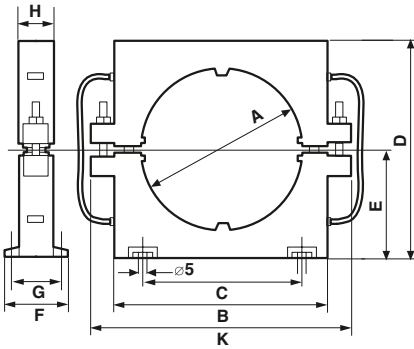


3 modules

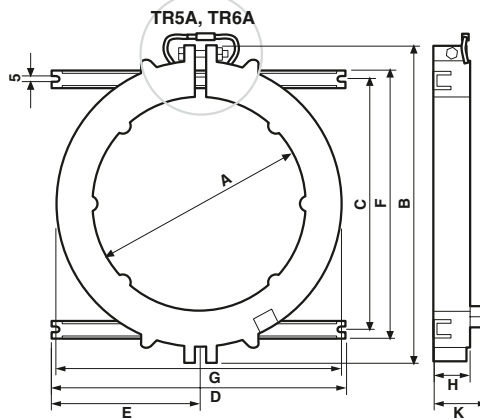
TR1, TR2, TR3, TR4, TR160, TR160A



TR4A



TR5, TR5A, TR6, TR6A

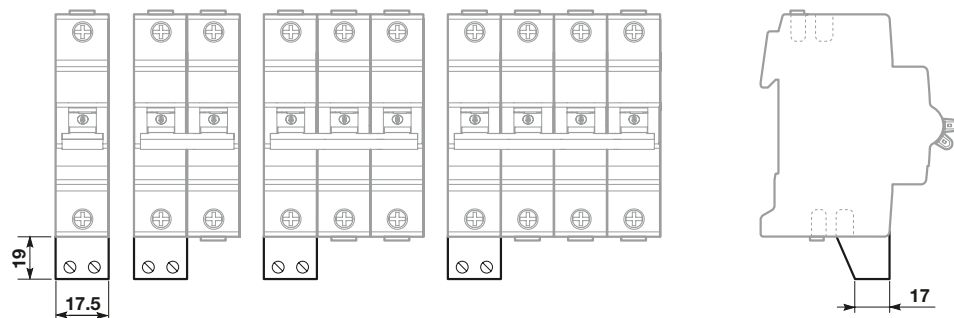


| Type | Dimensions (mm) | | | | | | | | |
|--------|-----------------|-----|-----|-----|-----|-----|-----|----|-----|
| | A | B | C | D | E | F | G | H | K |
| TR1 | 35 | 100 | 60 | 110 | 47 | 50 | 43 | 30 | - |
| TR2 | 60 | 100 | 60 | 110 | 47 | 50 | 43 | 30 | - |
| TR3 | 80 | 150 | 110 | 160 | 70 | 50 | 43 | 30 | - |
| TR4 | 110 | 150 | 110 | 160 | 70 | 50 | 43 | 30 | - |
| TR4A | 110 | 145 | 110 | 150 | 75 | 45 | 38 | 25 | 180 |
| TR160 | 160 | 220 | 156 | 236 | 110 | 64 | 50 | 34 | - |
| TR160A | 160 | 220 | 156 | 236 | 110 | 64 | 50 | 34 | - |
| TR5 | 210 | 310 | 240 | 290 | 145 | 260 | 280 | 36 | 55 |
| TR5A | 210 | 310 | 240 | 290 | 145 | 260 | 280 | 36 | 55 |
| TR6 | 300 | 416 | 350 | 386 | 193 | 366 | 365 | 42 | 60 |
| TR6A | 300 | 416 | 350 | 386 | 193 | 366 | 365 | 42 | 60 |

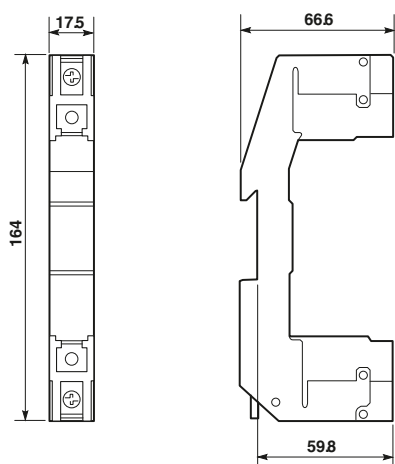
Quick product references

Overall dimensions

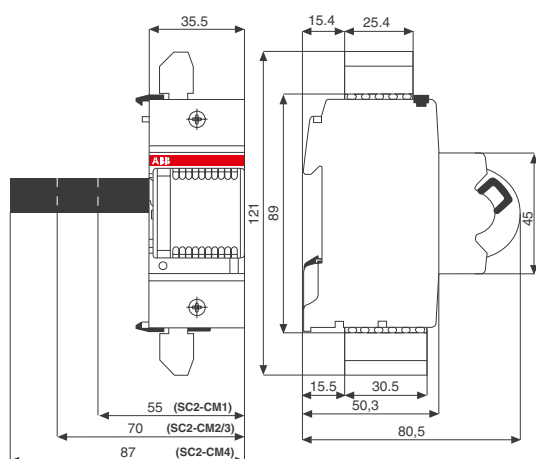
Bottom-fitting auxiliary contact (with S 200 MCB)



S 2C-EST



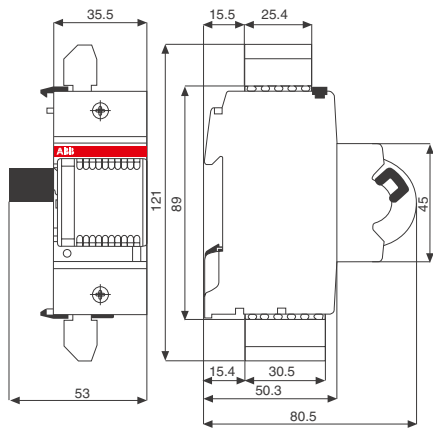
S 2C-CM



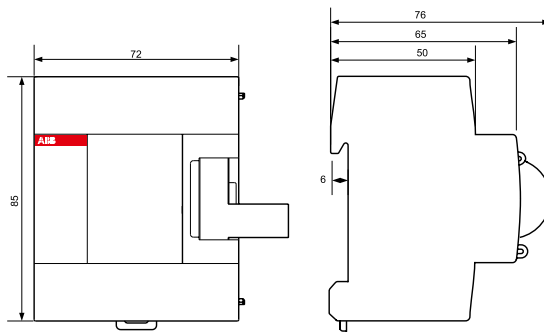
Quick product references

Overall dimensions

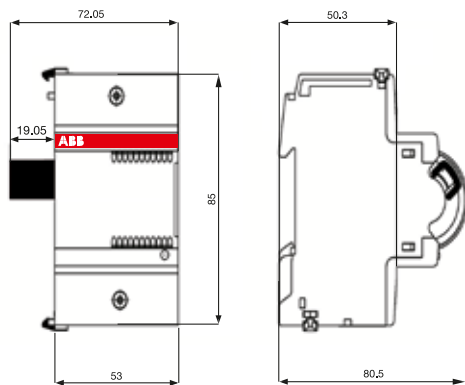
F2C-ARI, F2C-CM



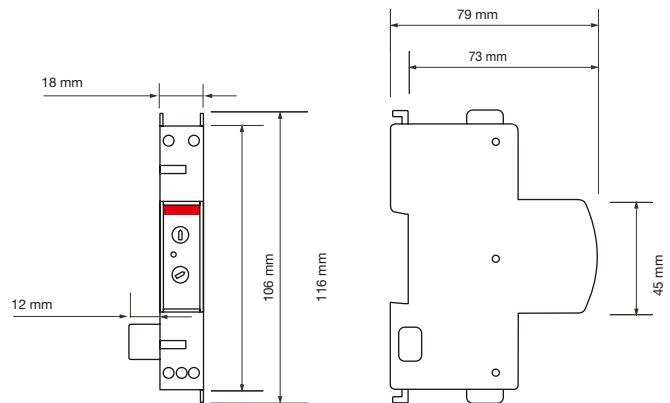
F2 CM4



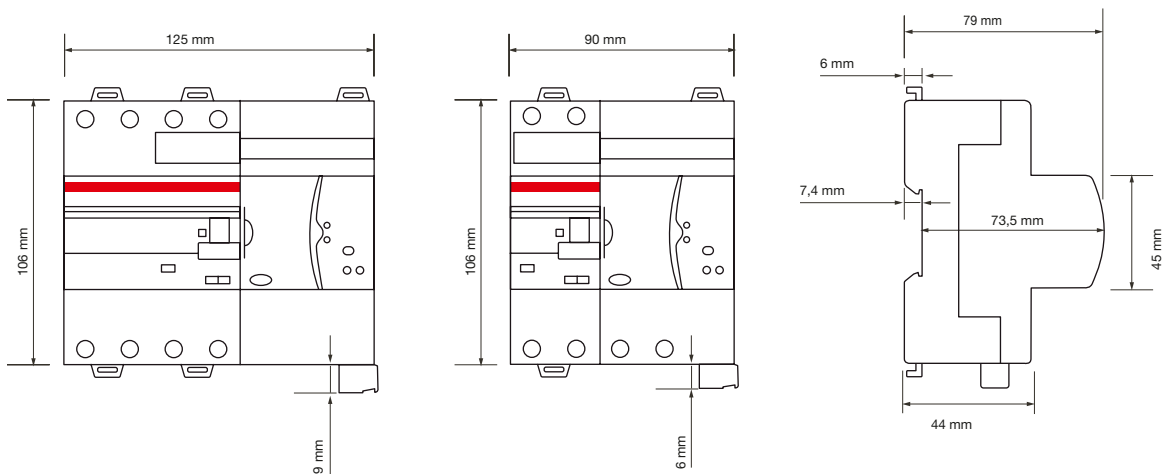
F2C-ARH, F2C-ARH-T



ARBus



F-ARI Test

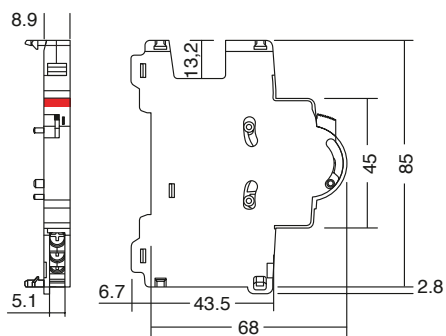


Quick product references

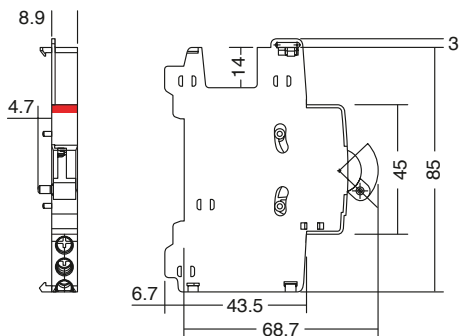
Overall dimensions

Auxiliary elements for SN 201 series

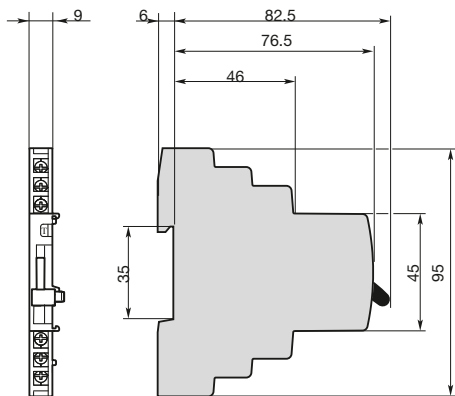
SN201-S



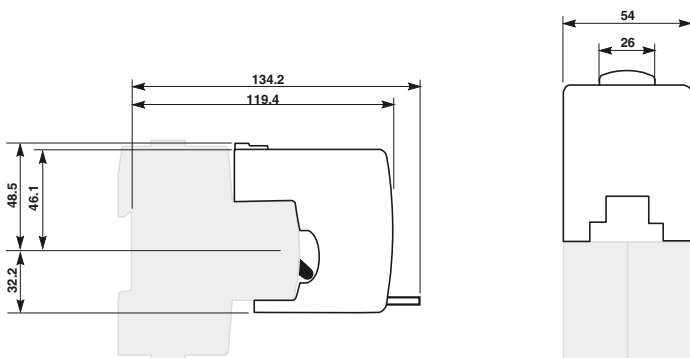
SN201-IH



S800-AUX, S800-AUX/ALT



S800-RSU-H

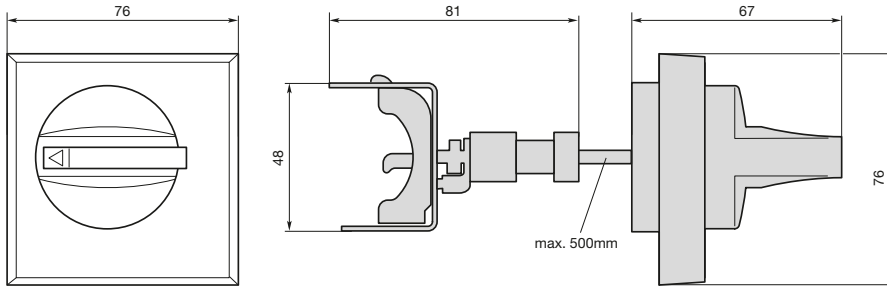


Quick product references

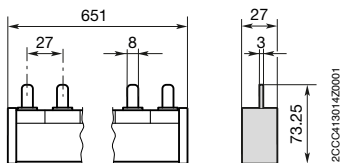
Overall dimensions

S800-RD+S800-RHE, S800-NT, S800-BB250, S800-BBPC120

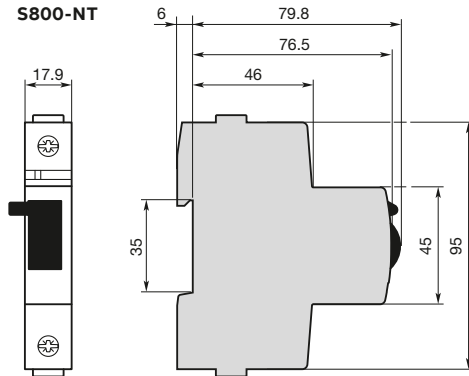
S800-RD+S800-RHE



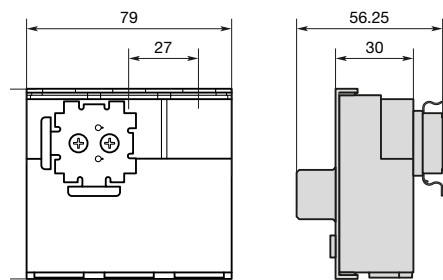
S800-BB250



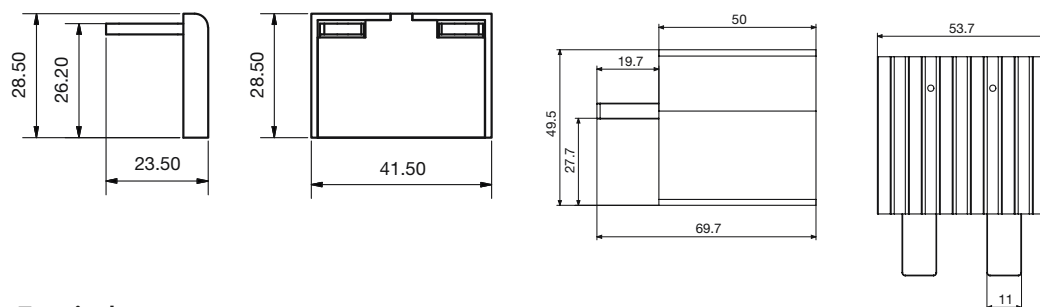
S800-NT



S800-BBPC120

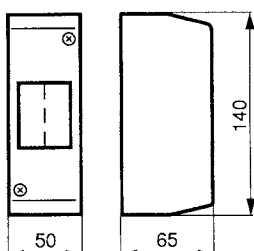


S802-LINK50 S802-LINK125

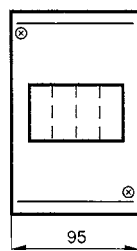


Terminal covers

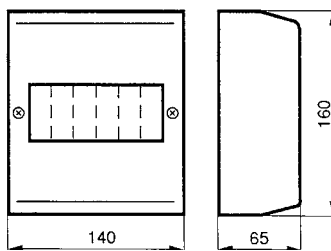
PCD 2 N



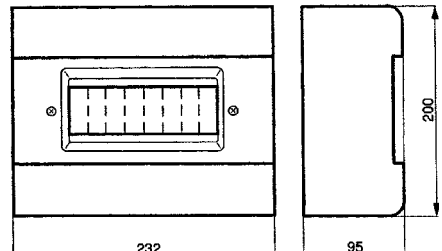
PCD 4 N



PCD 6 N



PCD 8 N



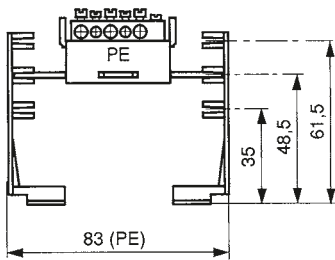
Quick product references

Overall dimensions

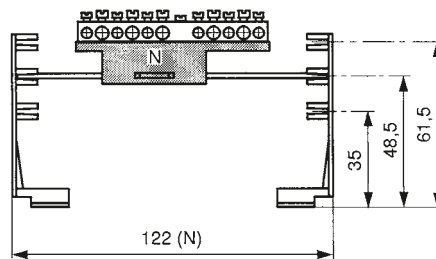
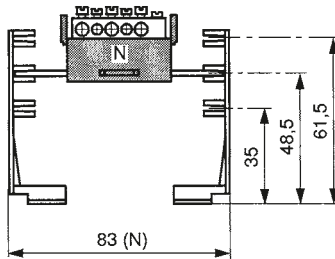
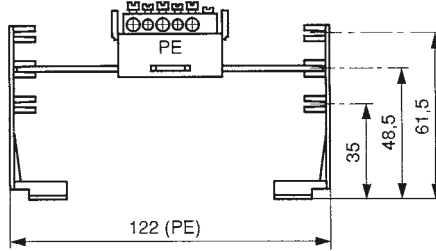
Enclosures of moulded-plastic

N + PE common terminals for QES

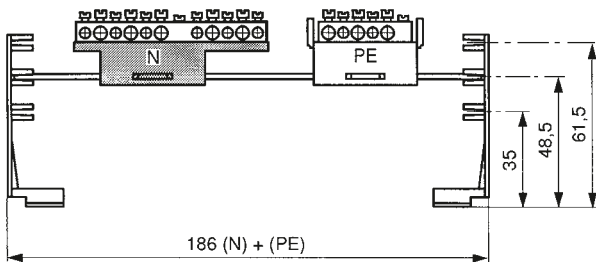
SMO 4



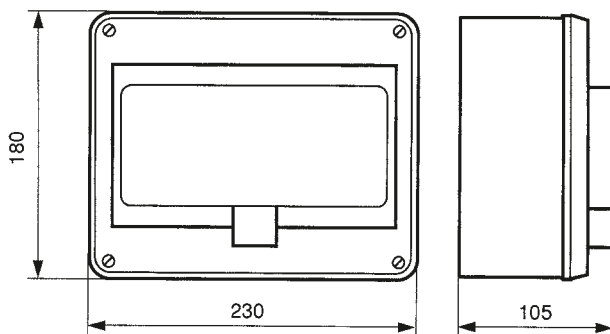
SMO 6



SMO 10



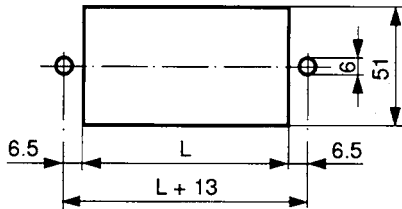
QES 10/3 N



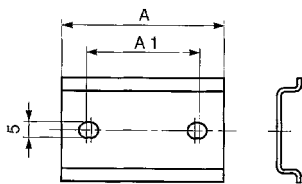
Quick product references

Overall dimensions

Drill holes



- ① In the case of DSW 1, the drill holes are vertical



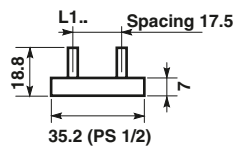
| Name | A | A1 |
|-------|------|------|
| DSW | 17.5 | 15 |
| DSW 2 | 35 | 20 |
| DSW 3 | 52.5 | 37.5 |
| DSW 4 | 70 | 55 |
| DSW 6 | 105 | 90 |

Quick product references

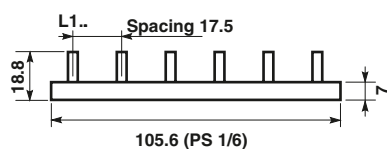
Overall dimensions

Busbars

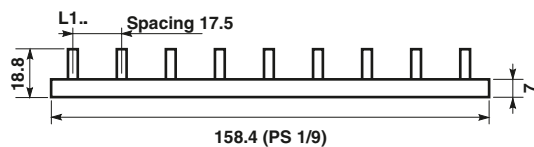
PS 1/2



PS 1/6



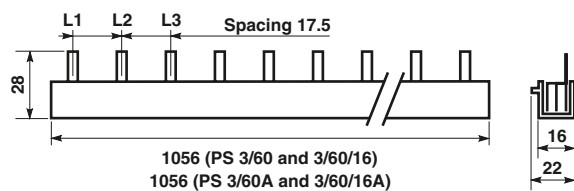
PS 1/9



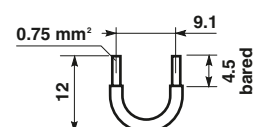
PS 1/12



PS 3/60



Auxiliary contact bridge HKB



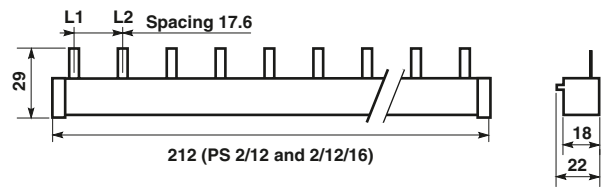
Quick product references

Overall dimensions

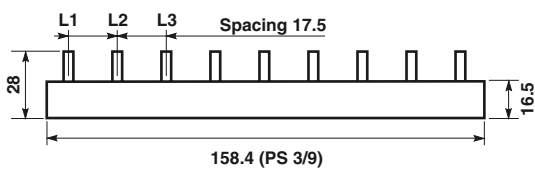
PS 3/6



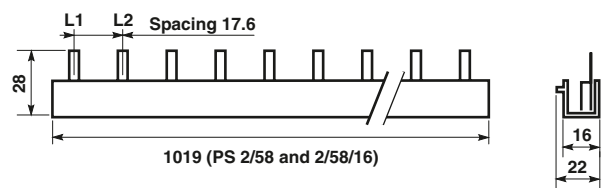
PS 2/12



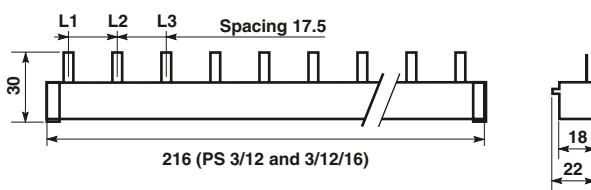
PS 3/9



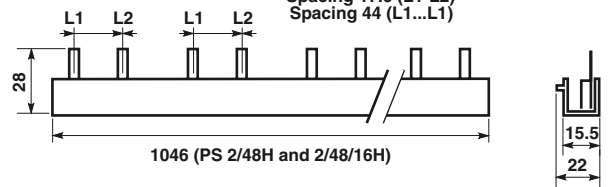
PS 2/58



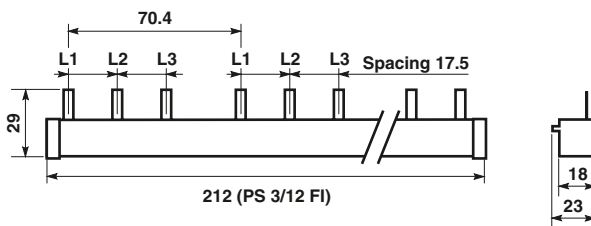
PS 3/12 (2CDL 230 001 R1012)



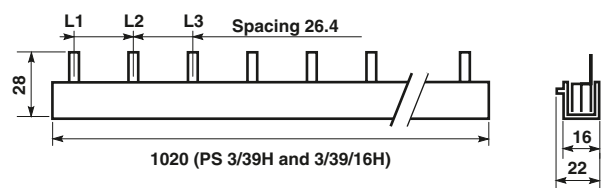
PS 2/48



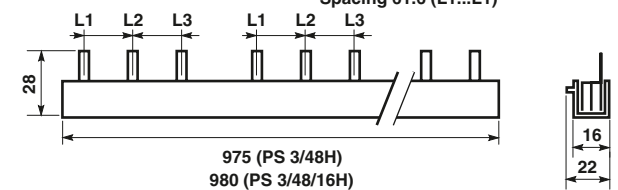
PS 3/12 FI (2CDL 230 002 R1012)



PS 3/39H



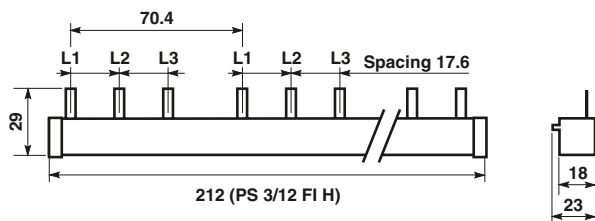
PS 3/48H



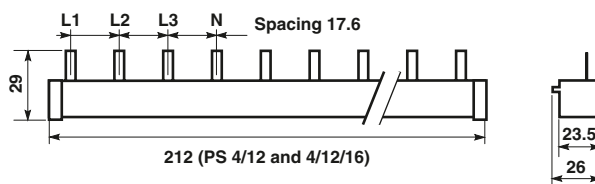
Quick product references

Overall dimensions

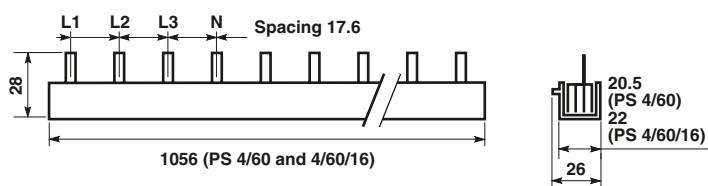
PS 3/12 FI H



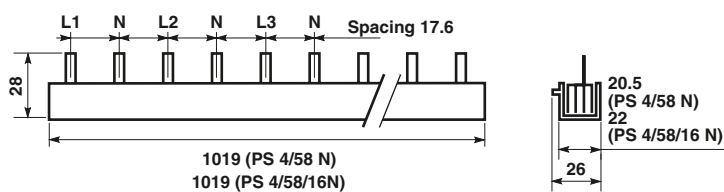
PS 4/12



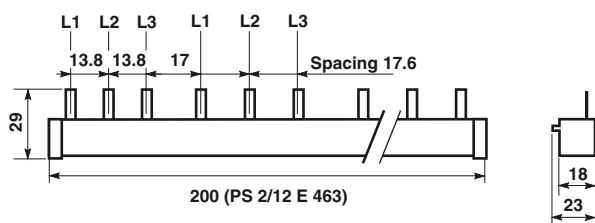
PS 4/60



PS 4/58N



PS 3/12 E 463

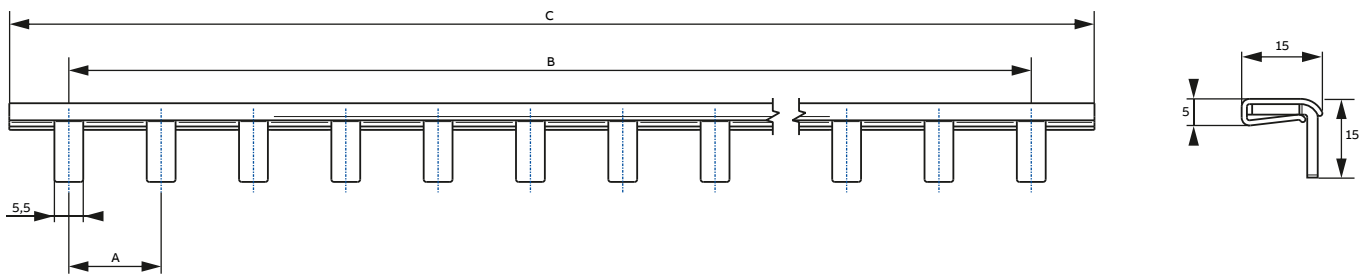


Quick product references

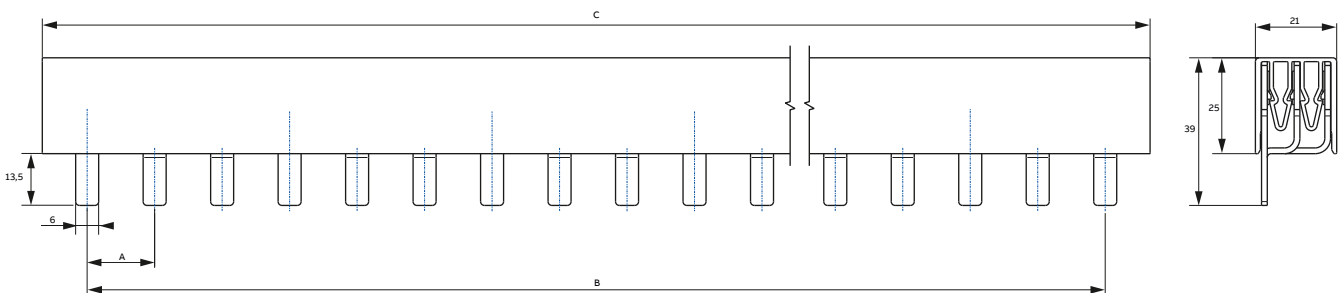
Overall dimensions

Busbars PS...CB and accessories acc. to UL 508

1-phase busbars



2-/3-phase busbars



Overall dimensions

| Busbar | A mm | B mm | C mm |
|------------------------|---------------|---------|---------|
| 1-phase busbars | | | |
| PS 1/57/18 CB | 17.6 | 986 | 1010 |
| PS 1/57/25 CB | 17.6 | 986 | 1010 |
| PS 1/37/18 H CB | 26.4 | 950 | 985 |
| PS 1/37/25 H CB | 26.4 | 950 | 985 |
| 2-phase busbars | | | |
| PS 2/56/18 CB | 17.6 | 968 | 990 |
| PS 2/56/25 CB | 17.6 | 968 | 990 |
| PS 2/46/18 H CB | 17.6 / 26.4 * | 968 | 1010 |
| PS 2/46/25 H CB | 17.6 / 26.4 * | 968 | 990 |
| 3-phase busbars | | | |
| PS 3/57/18 CB | 17.6 | 986 | 1010 |
| PS 3/57/25 CB | 17.6 | 986 | 1010 |
| PS 3/48/18 H CB | 17.6 / 26.4 * | 924 | 982 |
| PS 3/48/25 H CB | 17.6 / 26.4 * | 924 | 982 |
| PS 3/39/18 H CB | 26.4 | 1003 | 1040 |
| PS 3/39/25 H CB | 26.4 | 1003 | 1040 |

* pin gap for auxiliary

Quick product references

Overall dimensions

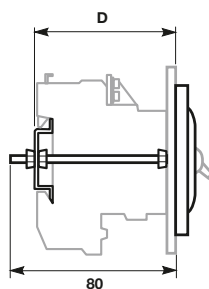
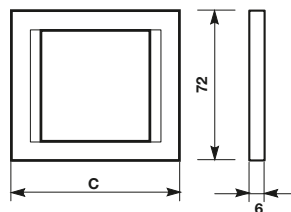
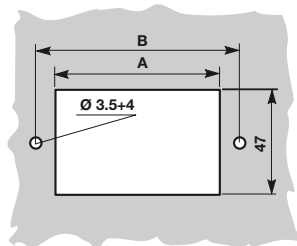
ME flange for rear board mounting

DEPHT D

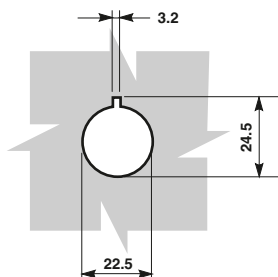
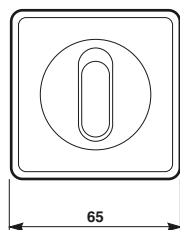
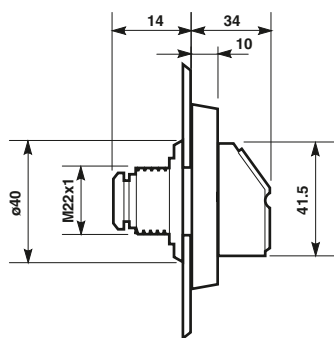
57 mm for S 240-S 250-
S 270-S 280 circuit-breakers

72 mm for S 210 circuit-breakers

| TYPE | A | B | C |
|------------------|-----|------|-----|
| ME 1 - 1 module | 18 | 40 | 50 |
| ME 2 - 2 modules | 36 | 57.5 | 67 |
| ME 3 - 3 modules | 54 | 75.5 | 85 |
| ME 4 - 4 modules | 72 | 93 | 103 |
| ME 6 - 6 modules | 108 | 129 | 139 |
| ME 8 - 8 modules | 144 | 164 | 172 |



OH_2A_

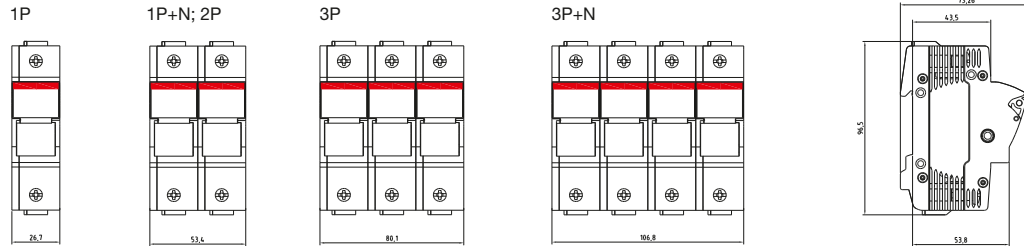


Quick product references

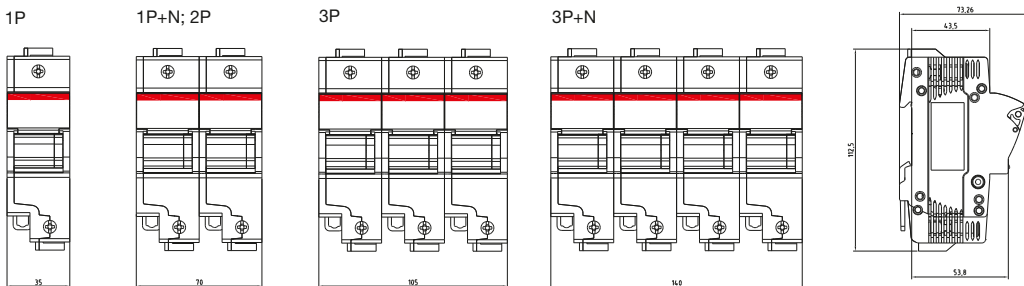
Overall dimensions

E90 50/125

E 90/50

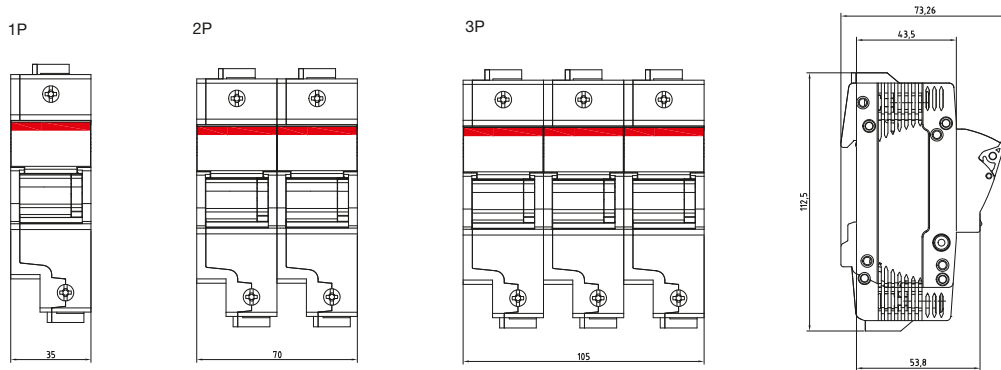


E 90/125

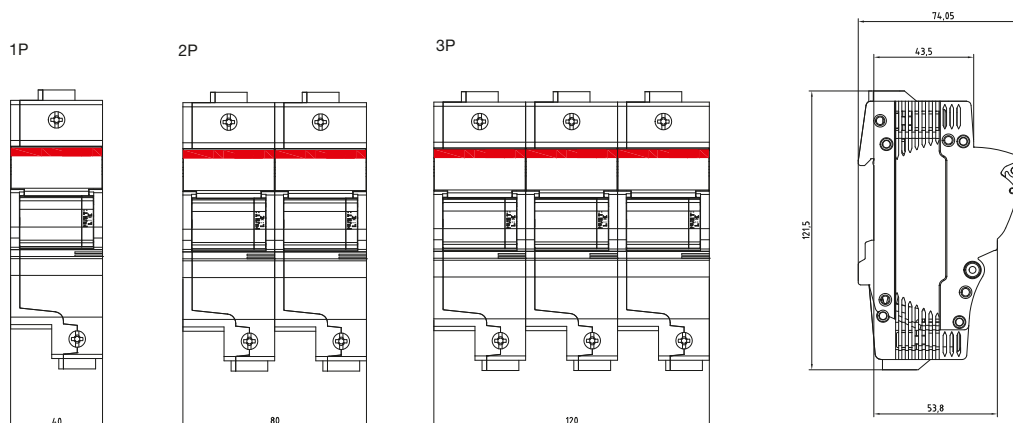


E90 30/60 J class

E 90/30 classJ



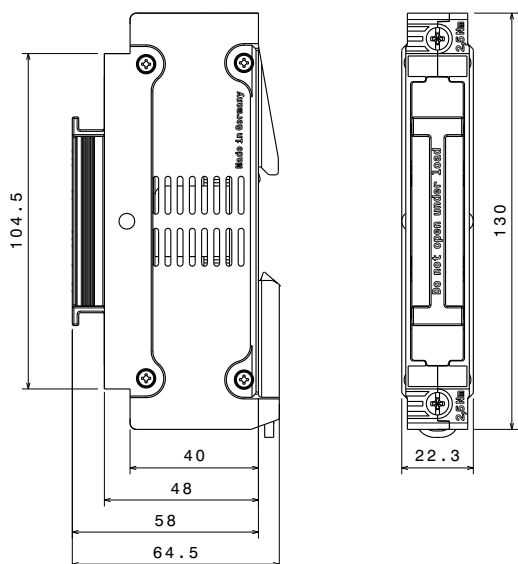
E 90/60 classJ



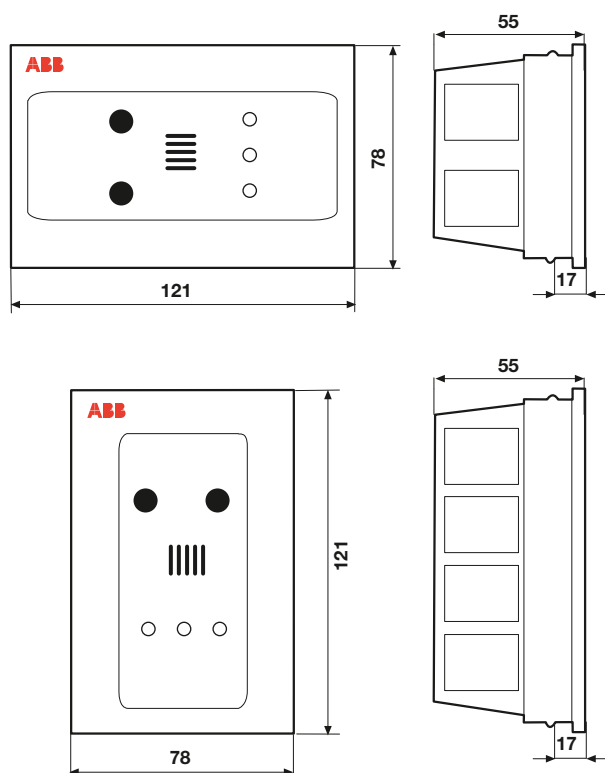
Quick product references

Overall dimensions

E90/32 PV 1500



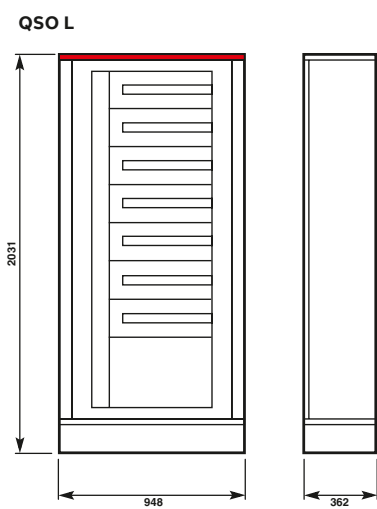
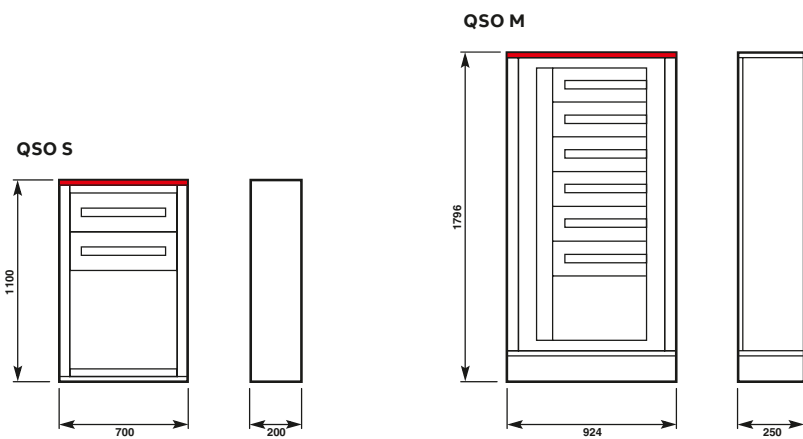
QSD remote signaling panels



Quick product references

Overall dimensions

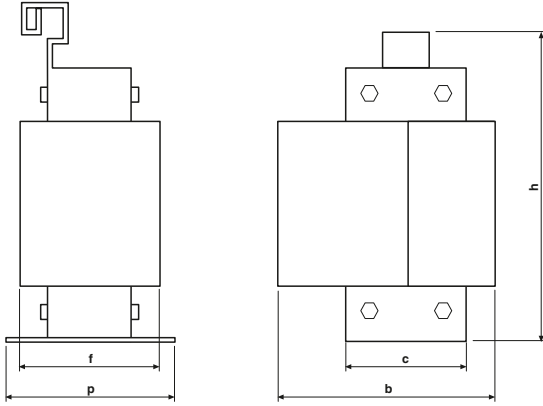
QSO electrical switchboard for medical locations



Quick product references

Overall dimensions

TI insulating transformers

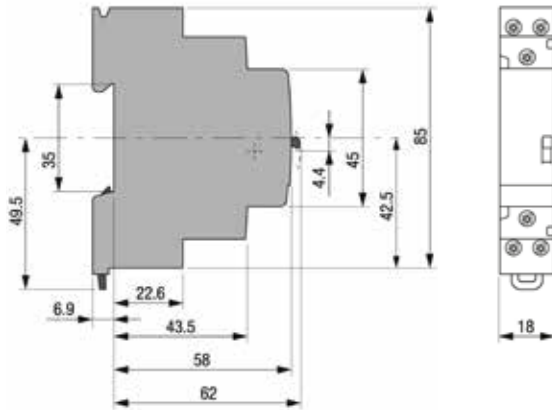


| | Rated output [KVA] | | | |
|--------------------|--------------------|-----|------|-----|
| Dimensions | 3 | 5 | 7,5 | 10 |
| b [mm] | 205 | 240 | 240 | 280 |
| c [mm] | 170 | 170 | 170 | 176 |
| f [mm] | 115 | 115 | 115 | 173 |
| h [mm] | 340 | 380 | 380 | 380 |
| p [mm] | 150 | 150 | 160 | 260 |
| Weight [kg] | 29,5 | 44 | 50,5 | 73 |

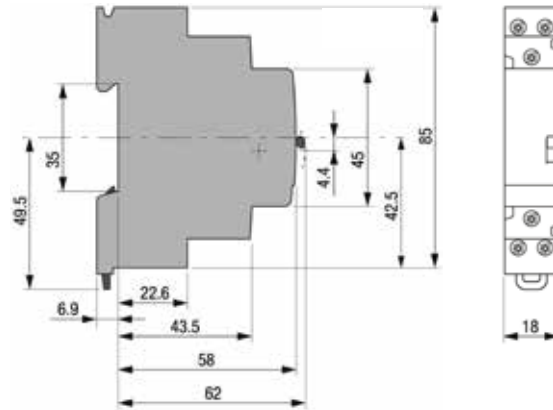
Quick product references

Overall dimensions

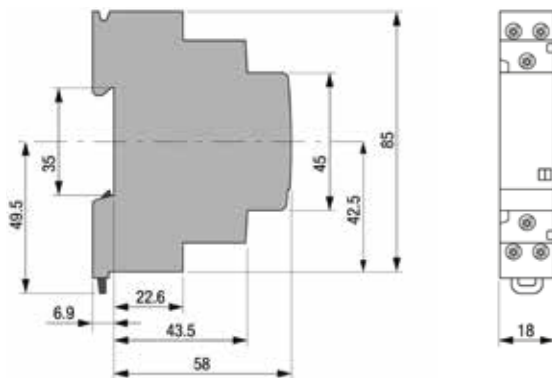
E290 Latching Relays



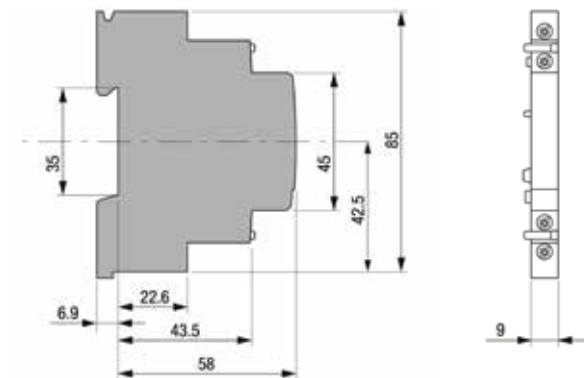
E297 Installation Relays



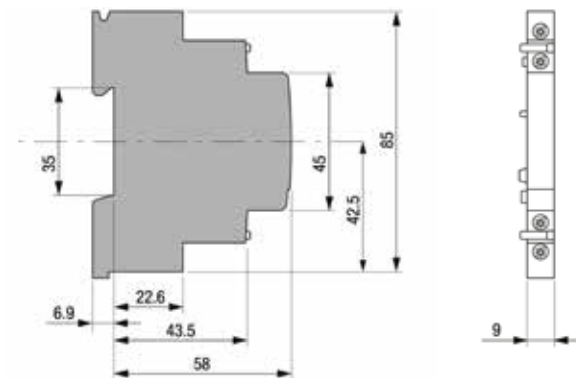
E291S Sequential Latching Relay



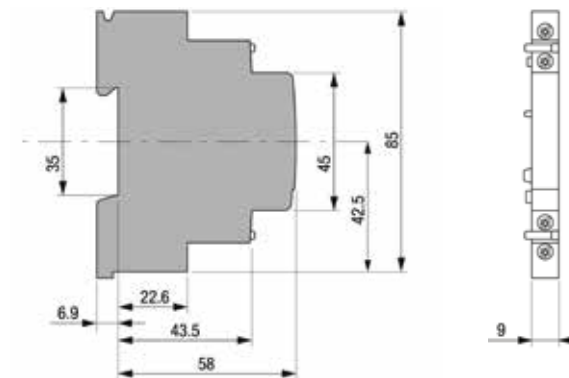
E298 Main Contact Module



E292 Main Contact Module



E299-11 Auxiliary Contact

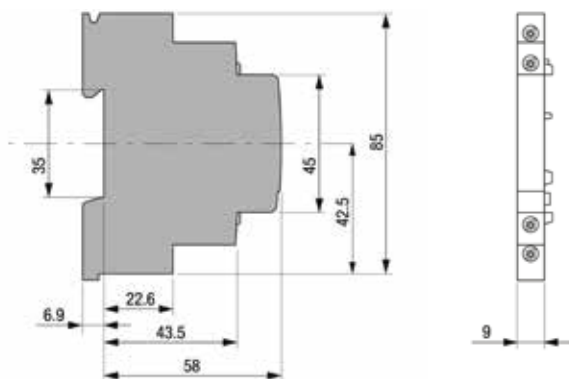


Quick product references

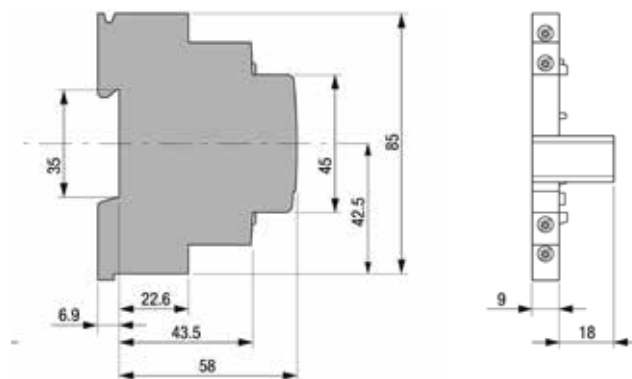
Overall dimensions

E293/X Central On-Off Control Module

(for same control voltage potential)

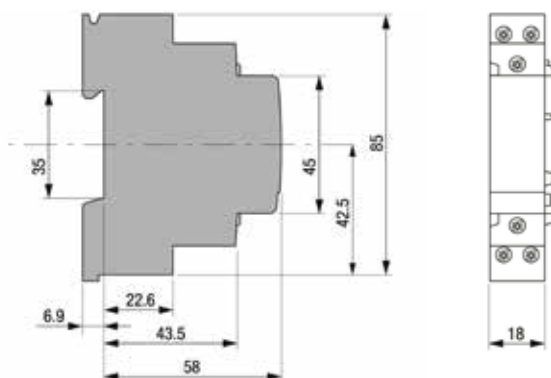


E295-PS Permanent Signal Module

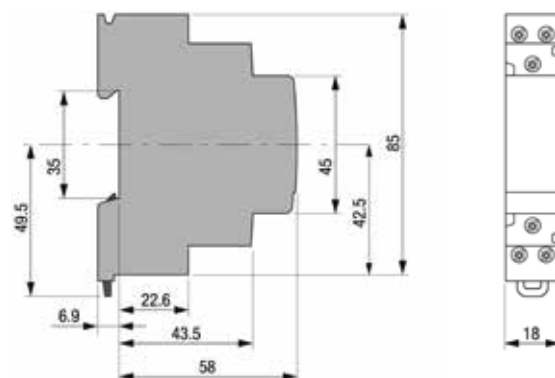


E294 Central On-Off Control Module

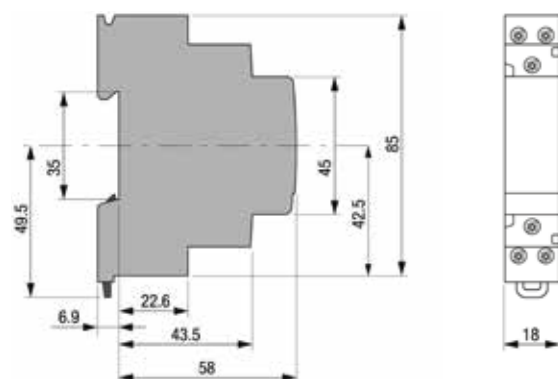
(for different control voltage potential)



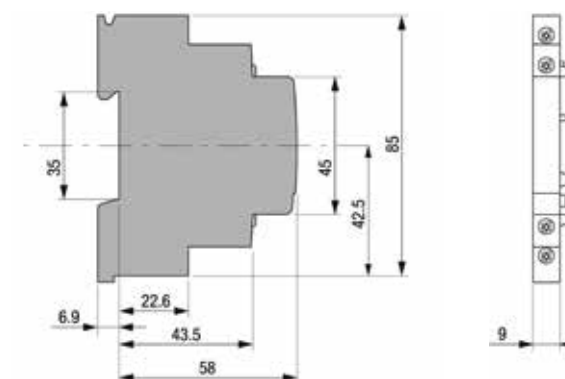
E296-CP Compensator



E295-GM Group Module



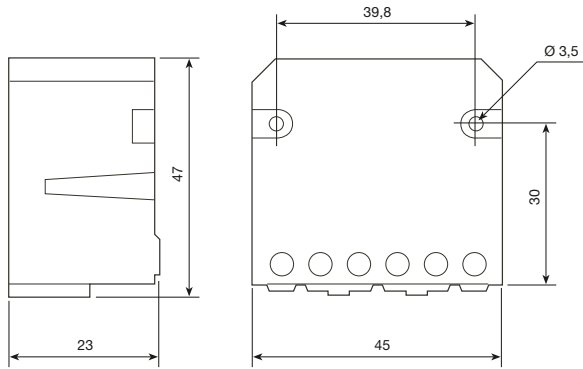
E299-11 Auxiliary Contact



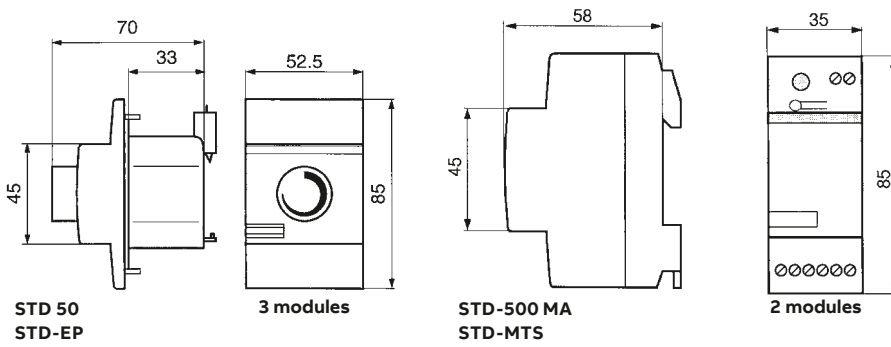
Quick product references

Overall dimensions

FLR pulse relays

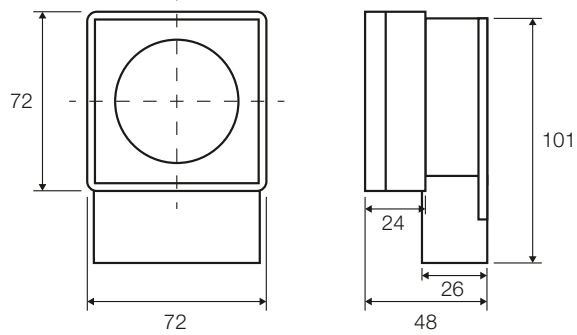


STD dimmers



AT72e electro-mechanical time switches

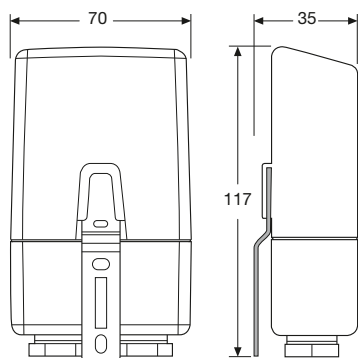
AT72e, AT72e-R, AT72e-7R



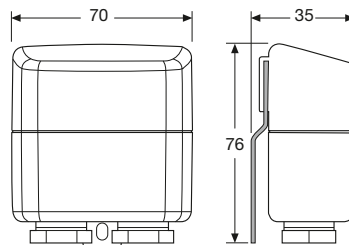
Quick product references

Overall dimensions

T1 POLE



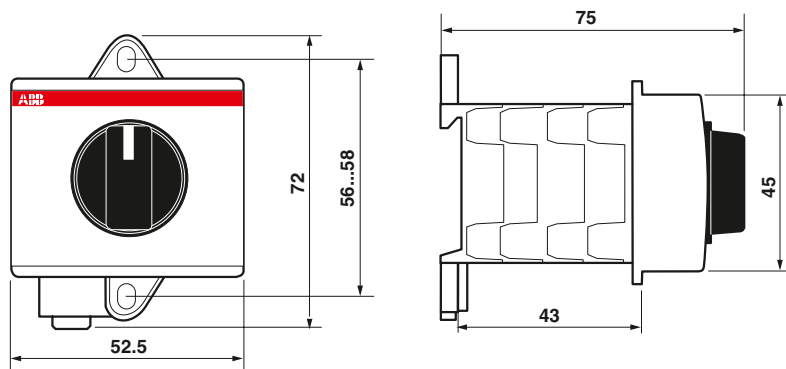
LS-D



Quick product references

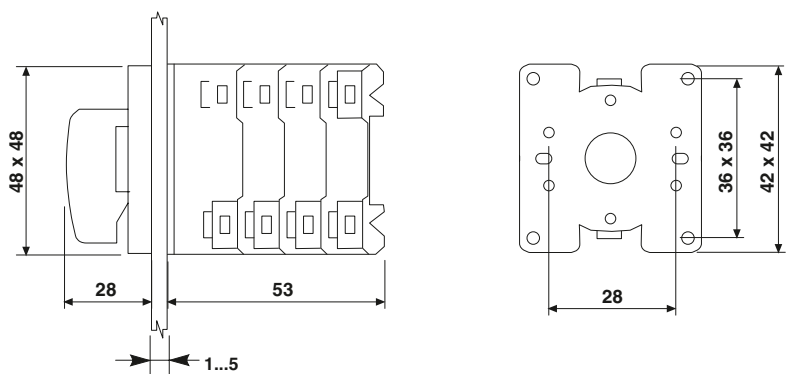
Overall dimensions

MCV - MCA voltmetric and ammetric switches



3 modules

QCV - QCA front panel voltmetric and ammetric switches

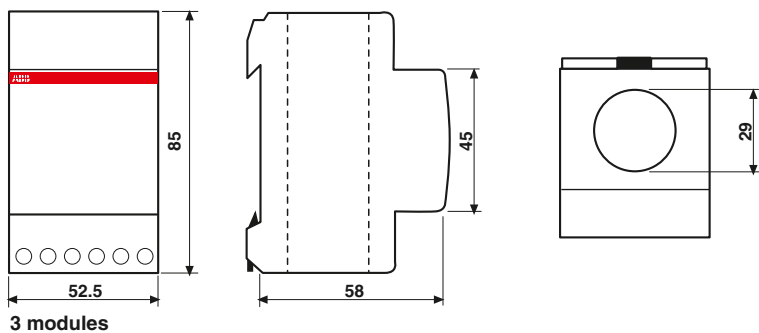


Quick product references

Overall dimensions

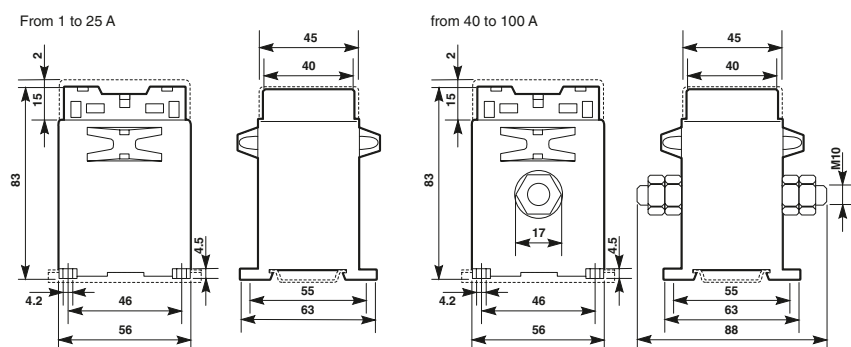
Modular current transformers with through primary

TRF M



Standard type current transformers.../5 A with wound primary

CTA

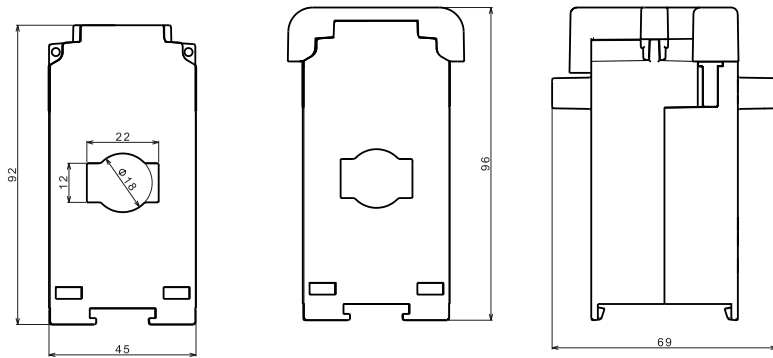


Quick product references

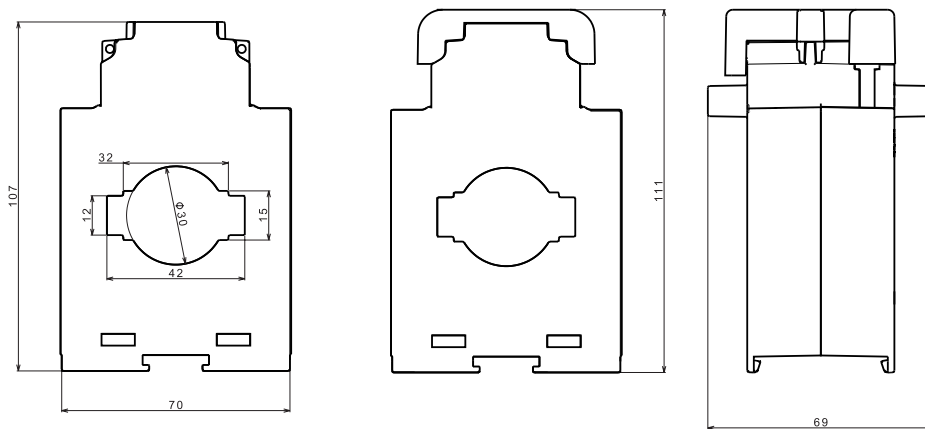
Overall dimensions

Standard type current transformers...5 A with through primary

CT PRO XT



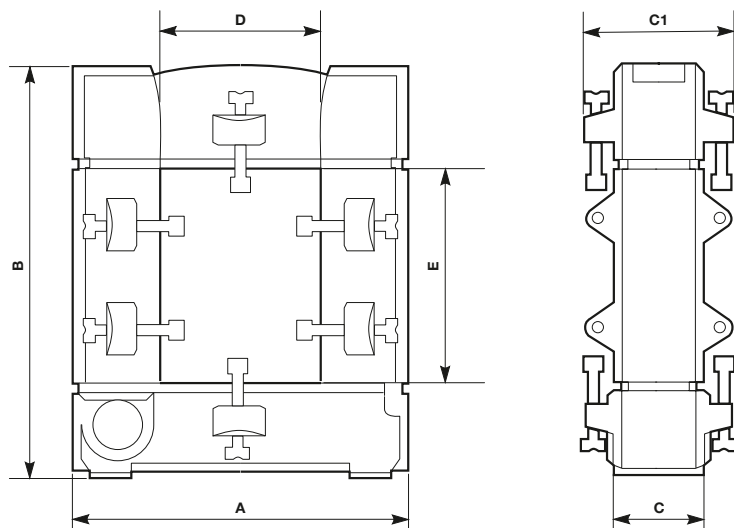
CT MAX



Quick product references

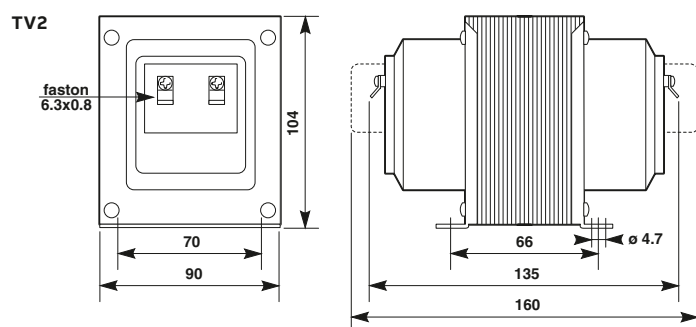
Overall dimensions

CTO



| Tipo | A | B | C | C1 | D | E |
|----------|-----|-----|----|----|----|-----|
| CT30... | 93 | 106 | 34 | 58 | 20 | 30 |
| CT80... | 125 | 152 | 34 | 58 | 50 | 80 |
| CT120... | 155 | 198 | 34 | 58 | 80 | 120 |

Voltage transformers

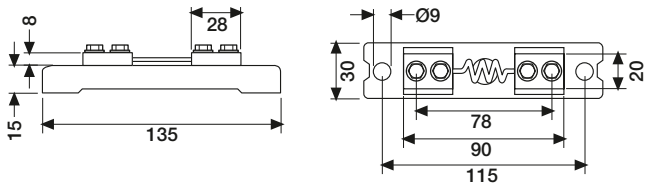


Quick product references

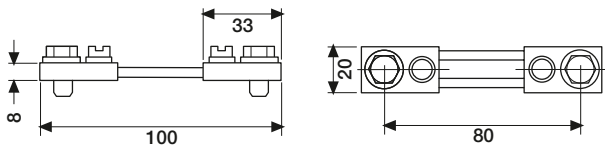
Overall dimensions

Shunts

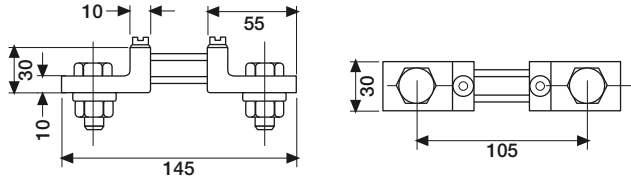
SNT1 ÷ 25 A/60 mV



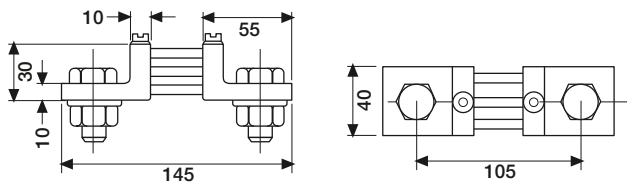
SNT30 ÷ 150 A/60 mV



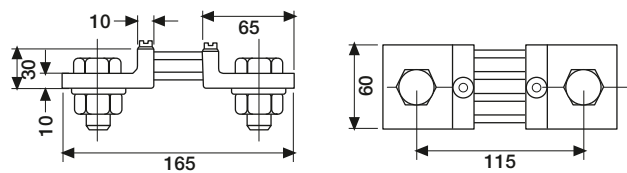
SNT200 ÷ 250 A/60 mV



SNT400 ÷ 600 A/60 mV



SNT800 ÷ 1000 A/60 mV

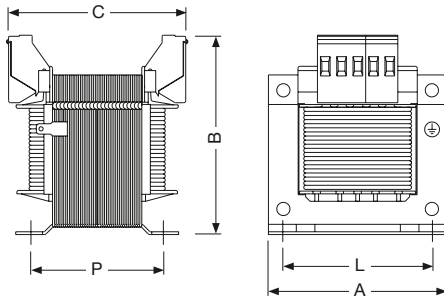


Quick product references

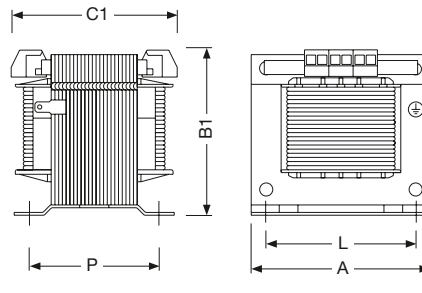
Overall dimensions

TM-C, TM-S, TM-I

from 50 up to 400 VA



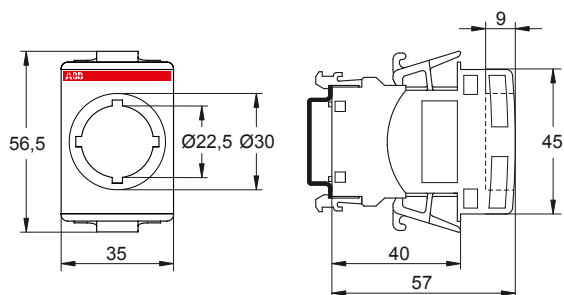
from 630 up to 2500 VA



TM-C, TM-S and TM-I Control, Safety and Insulating transformers

| Power (VA) | Picture | Dimensions | | | | | | | Screw | Wheigth (Kg) |
|---------------|---------|------------|-----|-----|-----|-----|-----|-----|-------|-----------------|
| | | A | B | B1 | C | C1 | P | L | | |
| 50 | 1 | 80 | 90 | - | 74 | - | 46 | 56 | M4 | 1.1 |
| 100 | 1 | 86 | 96 | - | 87 | - | 63 | 64 | M4 | 2 |
| 160 | 1 | 100 | 110 | - | 90 | - | 73 | 84 | M5 | 3 |
| 200 | 1 | 100 | 110 | - | 90 | - | 73 | 84 | M5 | 3.2 |
| 250 | 1 | 100 | 110 | - | 110 | - | 89 | 84 | M5 | 3.6 |
| 320 | 1 | 123 | 122 | - | 102 | - | 73 | 90 | M5 | 4.4 |
| 400 | 1 | 123 | 122 | - | 112 | - | 85 | 90 | M5 | 5.5 |
| 630 | 2 | 154 | - | 150 | - | 126 | 90 | 122 | M6 | 7.8 |
| 1000 | 2 | 155 | - | 150 | - | 168 | 133 | 122 | M6 | 13.2 |
| 1600 | 2 | 200 | - | 195 | - | 200 | 125 | 155 | M8 | 21.2 |
| 2000 | 2 | 200 | - | 195 | - | 230 | 143 | 155 | M8 | 25.5 |
| 2500 | 2 | 200 | - | 195 | - | 230 | 153 | 155 | M8 | 26.8 |

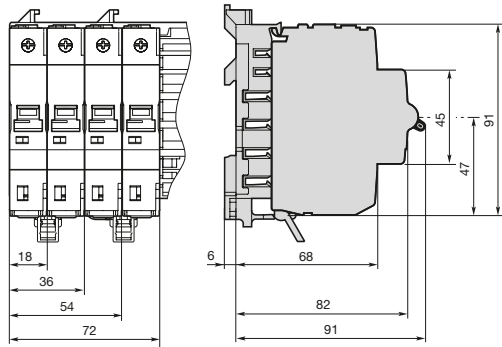
MA1-8001 DIN rail adapter



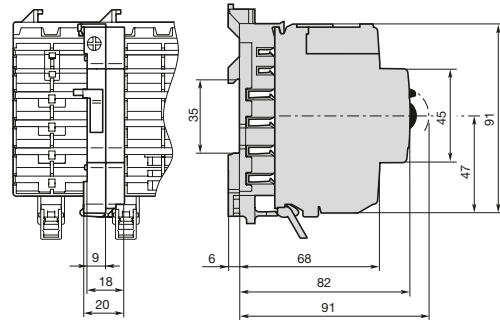
Quick product references

Overall dimensions

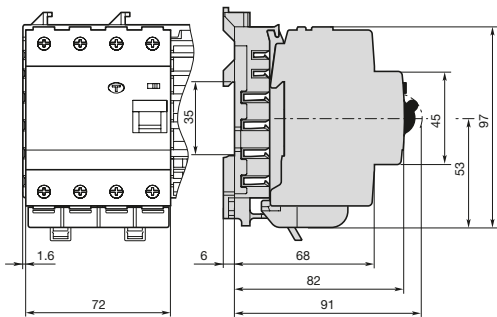
1-, 2-, 3- and 4-pole miniature circuit breakers S400



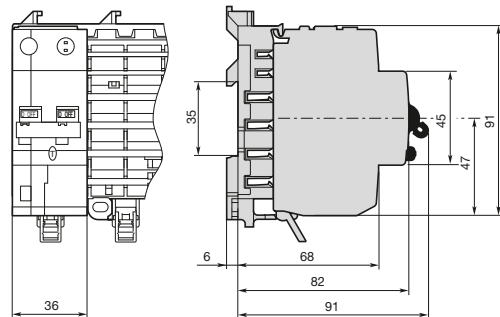
Neutral disconnector



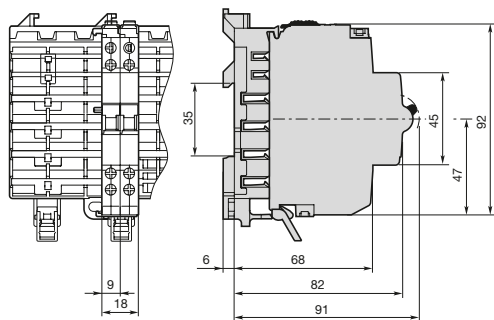
4-pole residual current operated circuit breaker, switch disconnector and surge arrester



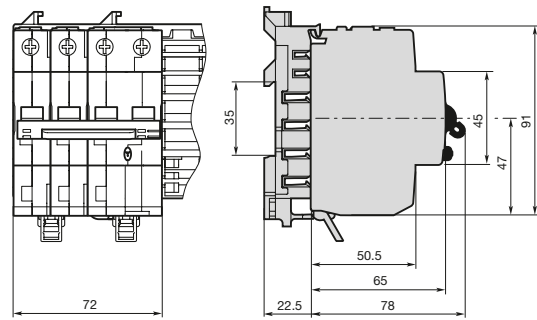
2-pole residual current operated circuit breaker



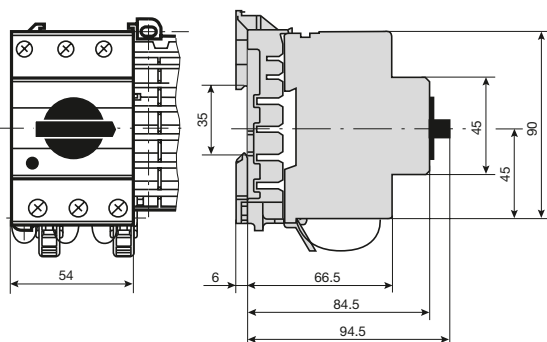
Auxiliary switch and signal contact



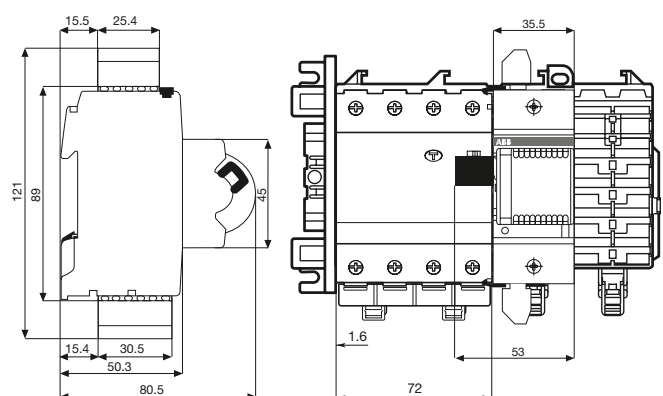
4-pole residual current operated circuit breaker



High performance manual motor starter MS325



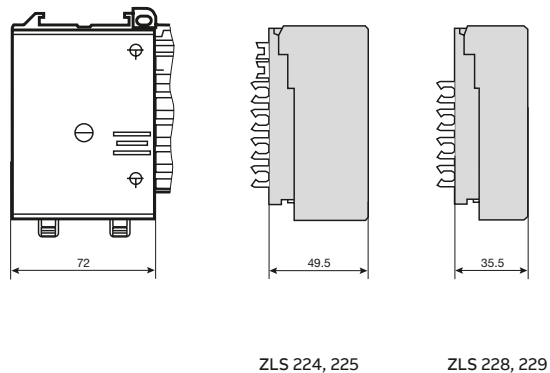
F4C-C M and F4C-AR I



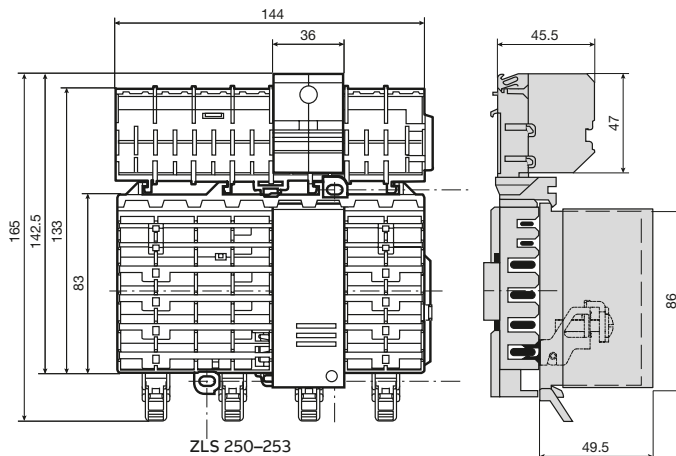
Quick product references

Overall dimensions

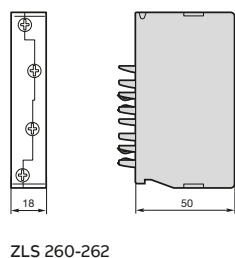
Incoming terminal blocks 100 A/160 A



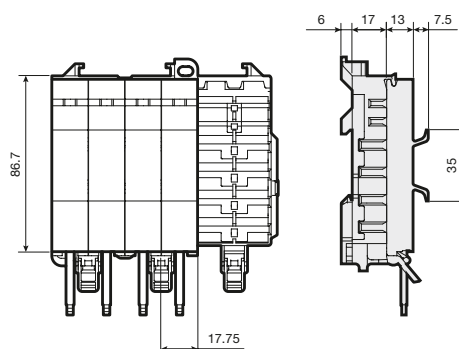
Incoming terminal component 200 A



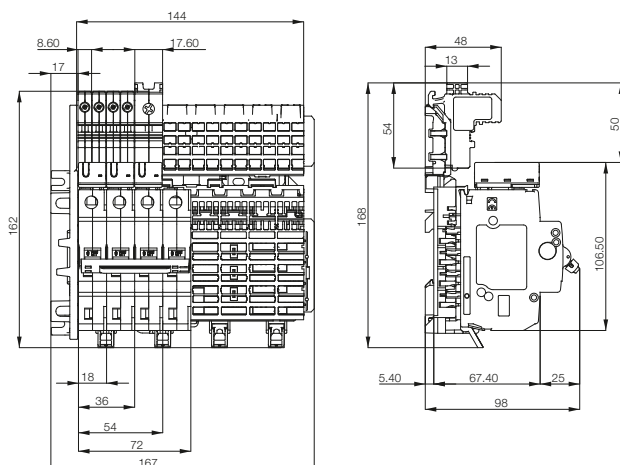
Incoming terminal blocks 63 A Incoming terminal block LA, LB



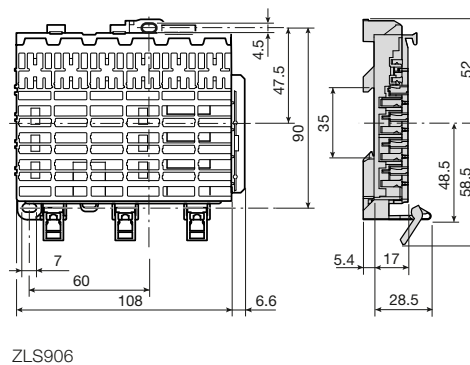
Universal adapter 32 A, 63 A



Socket base Z LS908 Receptacle – 8 dimensional units



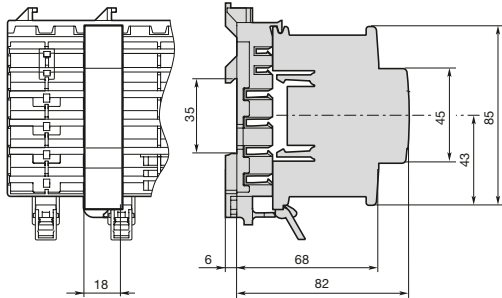
Socket base Z LS906 Receptacle – 6 dimensional units



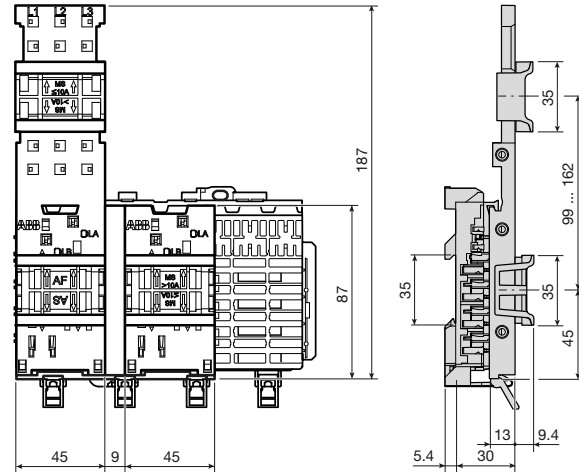
Quick product references

Overall dimensions

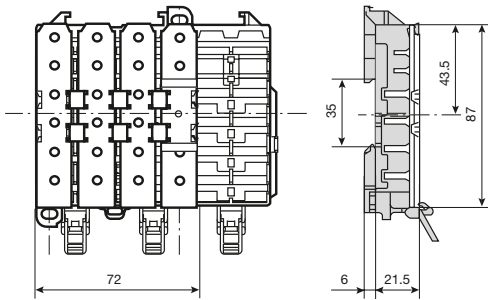
Intermediate piece ZLS 725



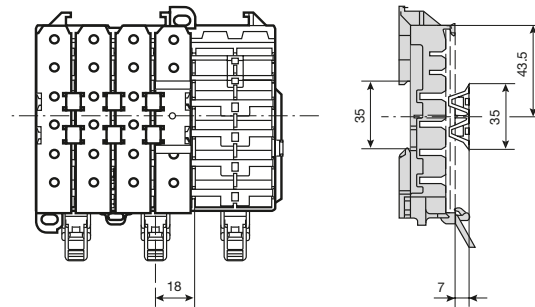
Combi module ZMS132, Adapter MS116/132



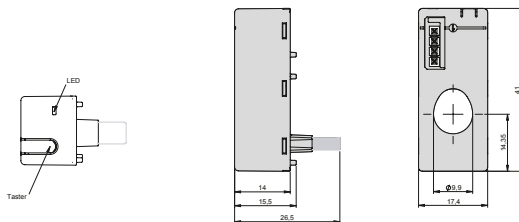
Busbar cover ZLS100



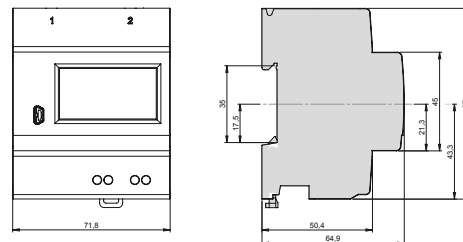
Extension adapter ZLS101



Sensor (CMS-100PS)



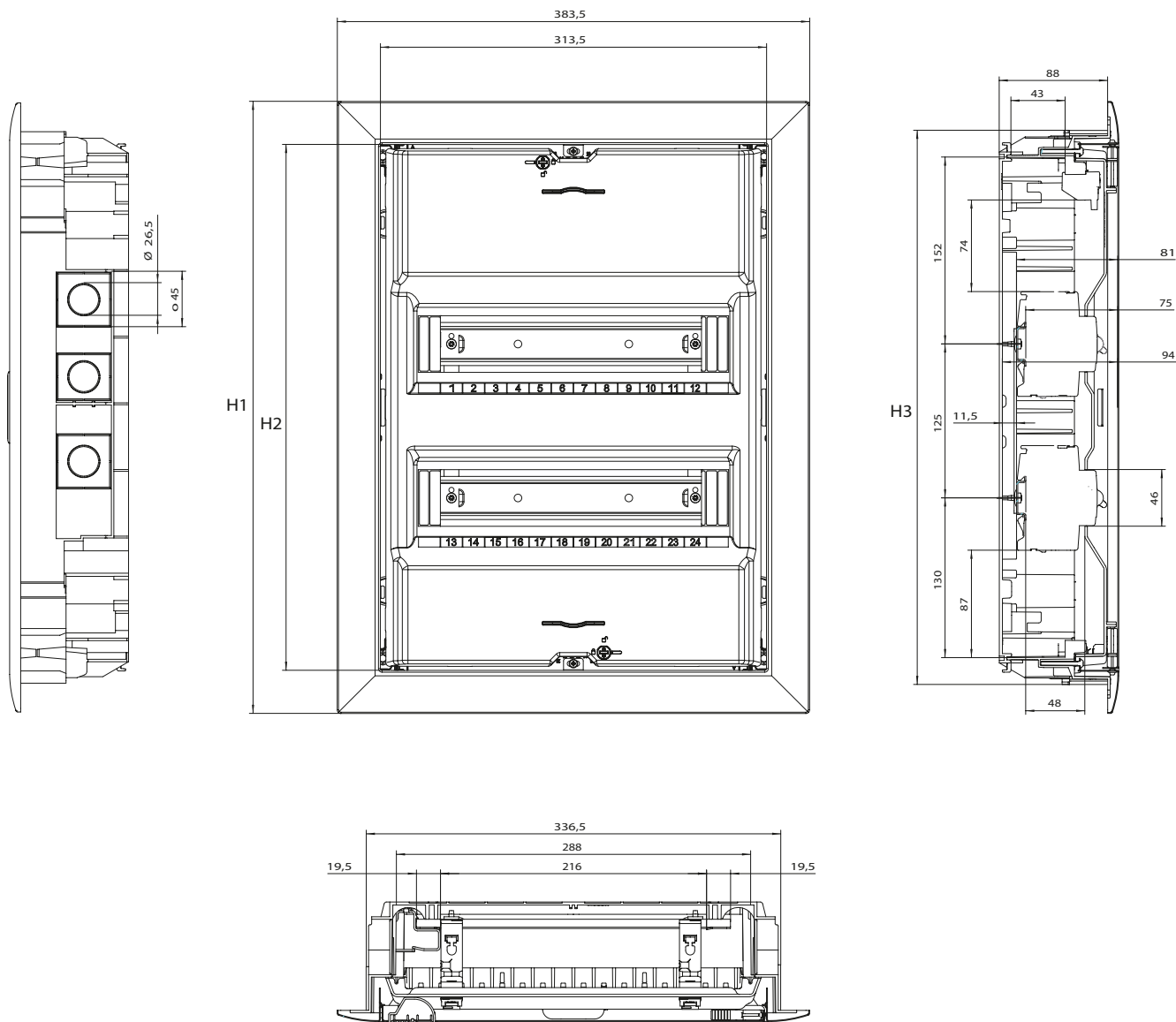
Control Unit (600)



Quick product references

Overall dimensions

UK600 Flush-mounting series – Consumer unit

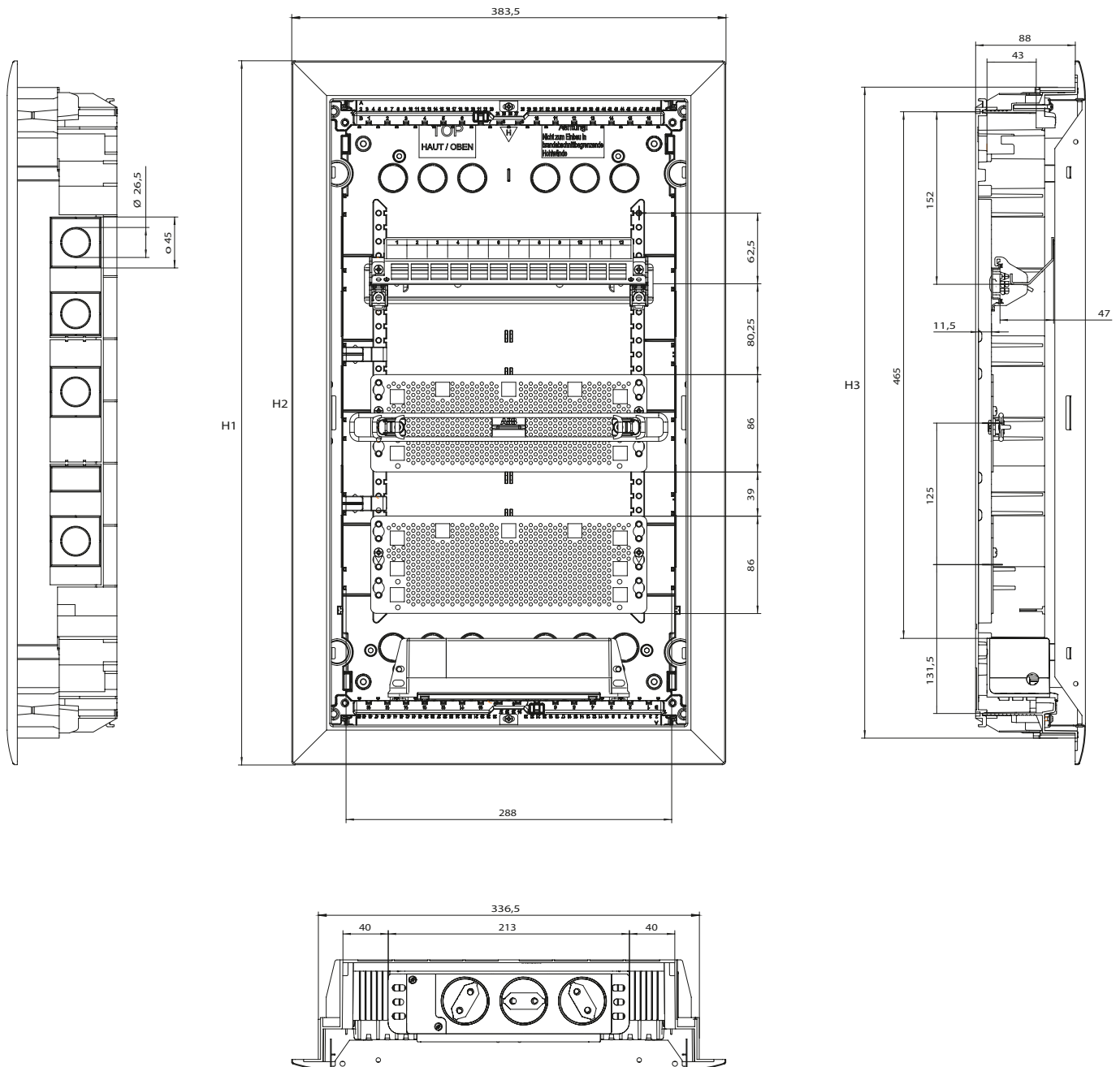


| Type | Allowed power loss Pzul according to DIN 43671 (W) | | | Max. output capacity P de in accordance with DIN VDE 60670-24 (W) | | | Dimensions in mm | | |
|--------|--|------|------|--|------|------|------------------|-----|-----|
| | 20K | 25K | 30K | 20K | 25K | 30K | H1 | H2 | H3 |
| UK61.. | 10.0 | 13.0 | 16.0 | 27.8 | 34.1 | 41.0 | 372 | 302 | 325 |
| UK62.. | 11.5 | 15.0 | 19.0 | 38.0 | 46.5 | 56.0 | 497 | 427 | 450 |
| UK63.. | 14.5 | 19.0 | 24.0 | 40.7 | 49.8 | 60.0 | 622 | 552 | 575 |
| UK64.. | 16.5 | 21.5 | 27.0 | 47.7 | 58.8 | 71.0 | 747 | 677 | 700 |
| UK66.. | | | | 56.0 | 69.0 | 83.0 | 872 | 802 | 825 |

Quick product references

Overall dimensions

UK600 Flush-mounting series – Media enclosure

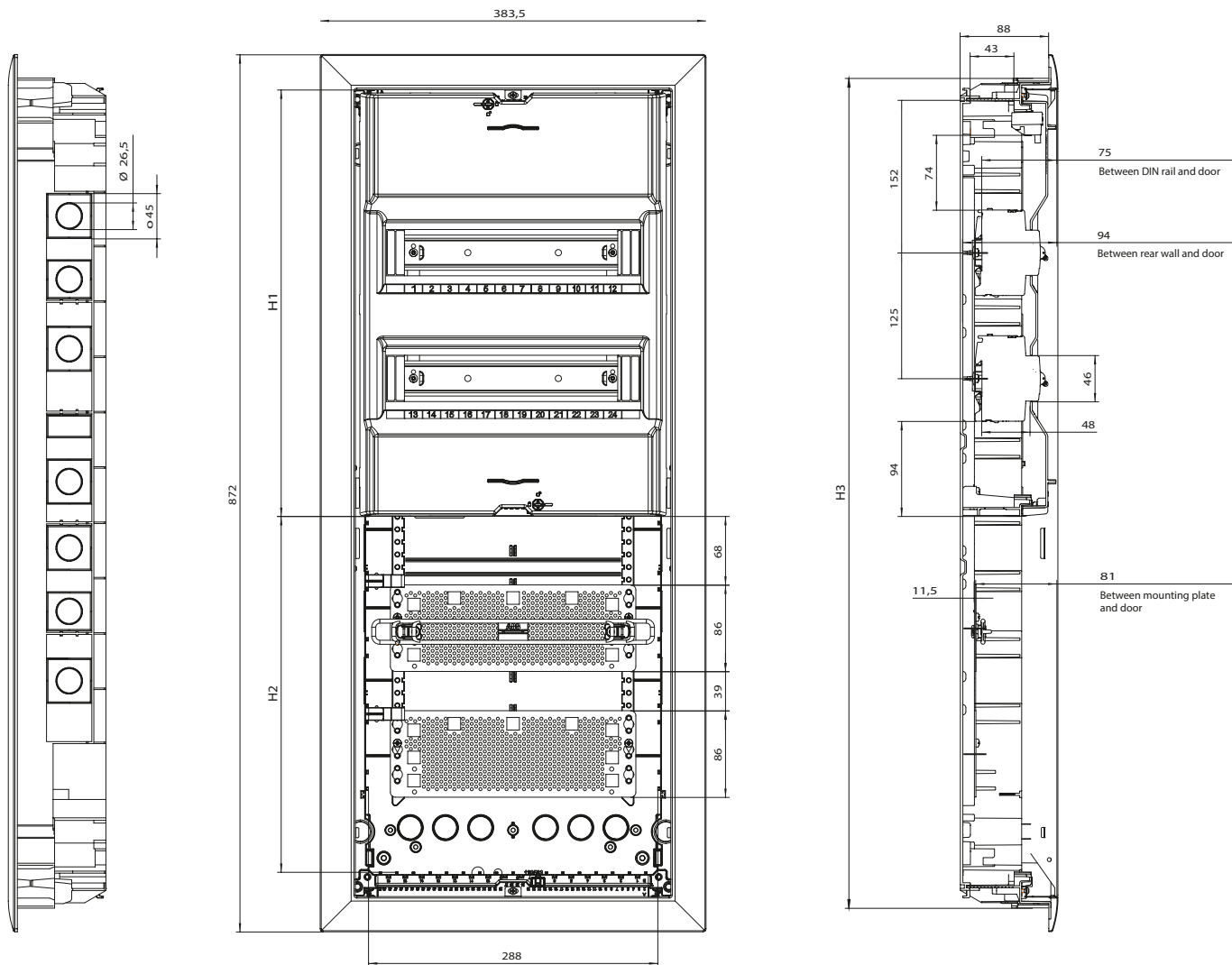


| Type | Allowed power loss Pzul according to DIN 43671 (W) | | | Max. output capacity P de in accordance with DIN VDE 60670-24 (W) | | | Dimensions in mm | | |
|--------|--|------|------|--|------|------|------------------|-----|-----|
| | 20K | 25K | 30K | 20K | 25K | 30K | H1 | H2 | H3 |
| UK62.. | 11.5 | 15.0 | 19.0 | 38.0 | 46.5 | 56.0 | 497 | 427 | 450 |
| UK63.. | 14.5 | 19.0 | 24.0 | 40.7 | 49.8 | 60.0 | 622 | 552 | 575 |
| UK64.. | 16.5 | 21.5 | 27.0 | 47.7 | 58.8 | 71.0 | 747 | 677 | 700 |
| UK66.. | | | | 56.0 | 69.0 | 83.0 | 872 | 802 | 825 |

Quick product references

Overall dimensions

UK600 Flush-mounting series – Combi enclosure

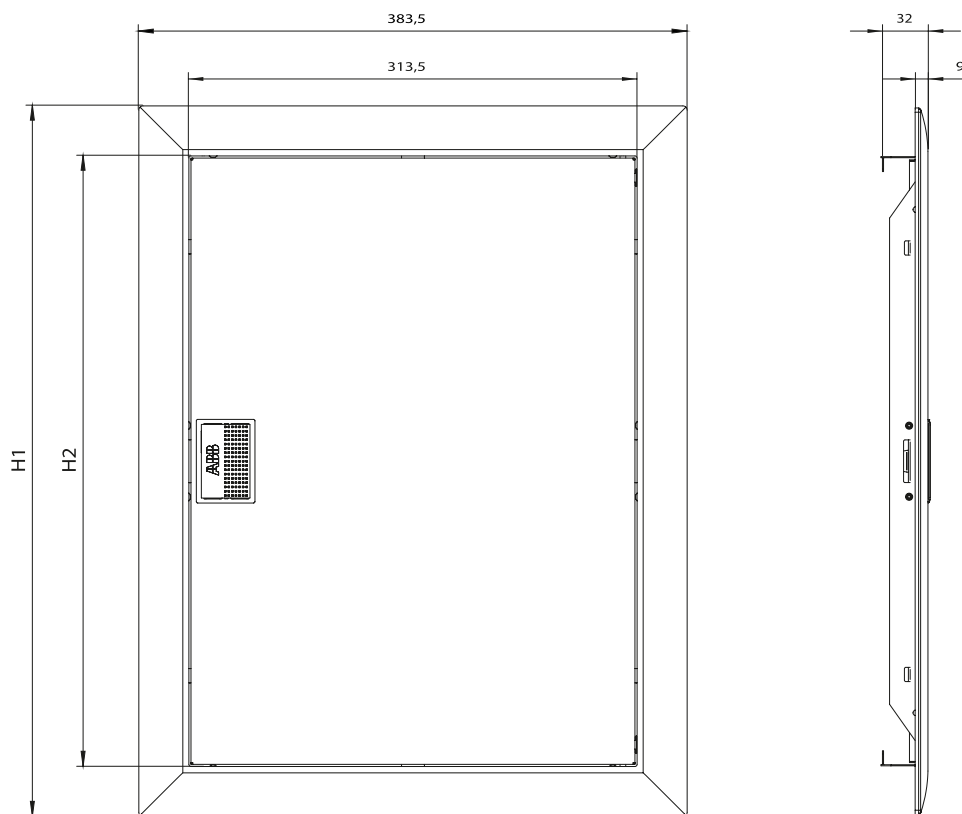


| Type | Allowed power loss Pzul according to DIN 43671 (W) | | | Max. output capacity P de in accordance with DIN VDE 60670-24 (W) | | | Dimensions in mm | |
|---------|--|-----|-----|--|------|------|------------------|-----|
| | 20K | 25K | 30K | 20K | 25K | 30K | H1 | H2 |
| UK662.. | | | | 56.0 | 69.0 | 83.0 | 424 | 353 |
| UK663.. | | | | 56.0 | 69.0 | 83.0 | 549 | 228 |

Quick product references

Overall dimensions

UK600 Flush-mounting series – Trim frame and door

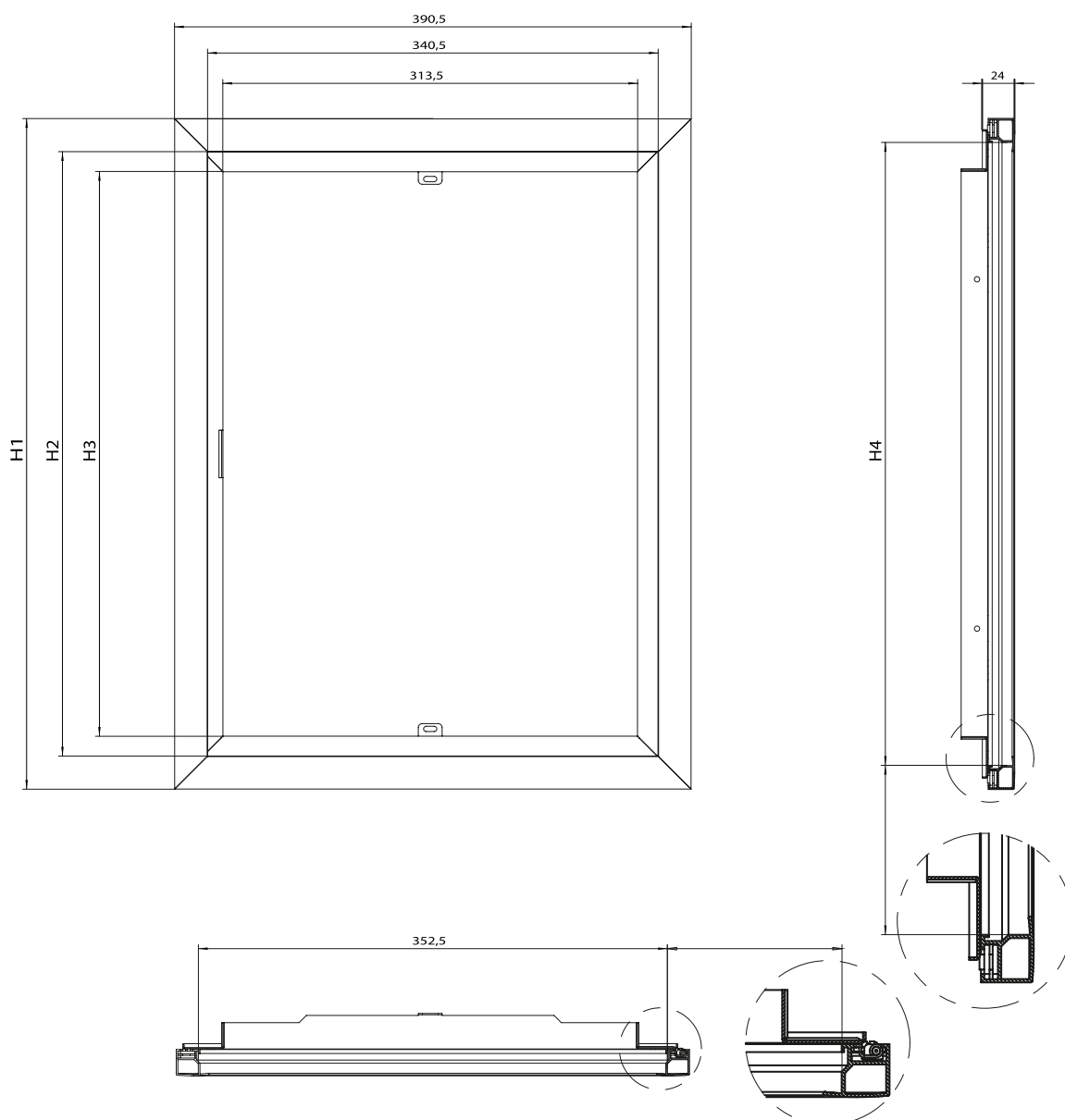


| Type | Dimensions in mm | |
|-------|------------------|-----|
| | H1 | H2 |
| BL610 | 302 | 372 |
| BL620 | 497 | 427 |
| BL630 | 622 | 552 |
| BL630 | 622 | 552 |
| BL640 | 747 | 677 |
| BL650 | 872 | 802 |

Quick product references

Overall dimensions

UK600 Flush-mounting series – Interchangeable design frame



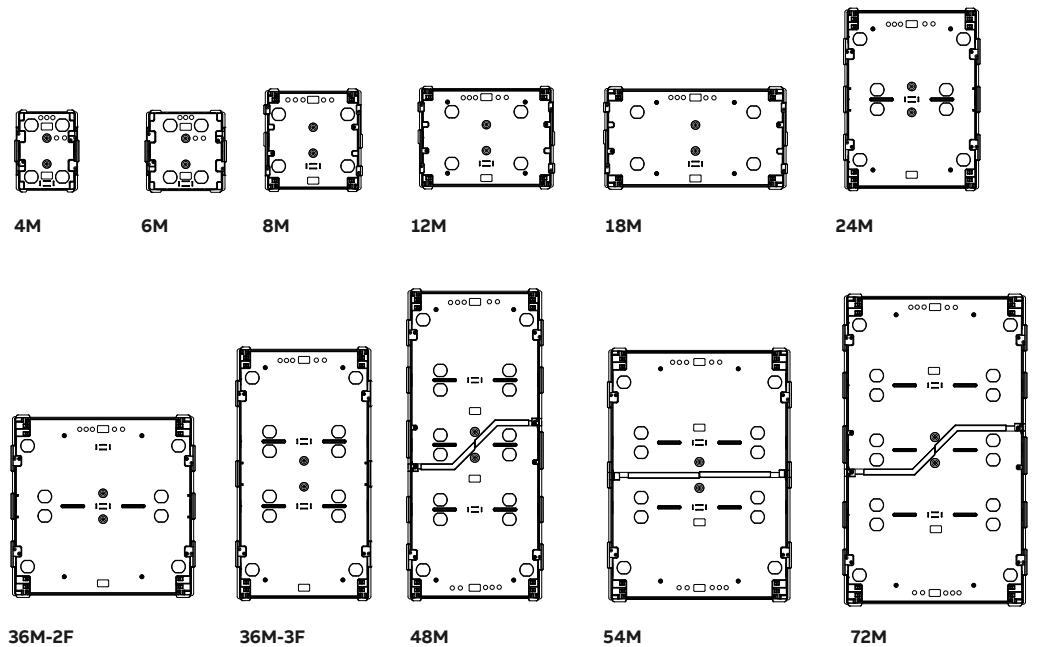
| Type | Dimensions in mm | | | | Technical specifications LED panel | | | |
|--------|------------------|-----|-----|-----|------------------------------------|--------|--------|--------------------|
| | H1 | H2 | H3 | H4 | Type | U | P | Colour temperature |
| BL520D | 507 | 457 | 427 | 469 | UZD624 | 12V DC | 9.60 W | 4200 K |
| BL630D | 632 | 582 | 552 | 594 | UZD634 | 12V DC | 13.20W | 4200 K |
| BL640D | 757 | 707 | 677 | 719 | UZD644 | 12V DC | 15.60W | 4200 K |
| BL650D | 882 | 832 | 802 | 844 | UZD654 | 12V DC | 19.60W | 4200 K |

Quick product references

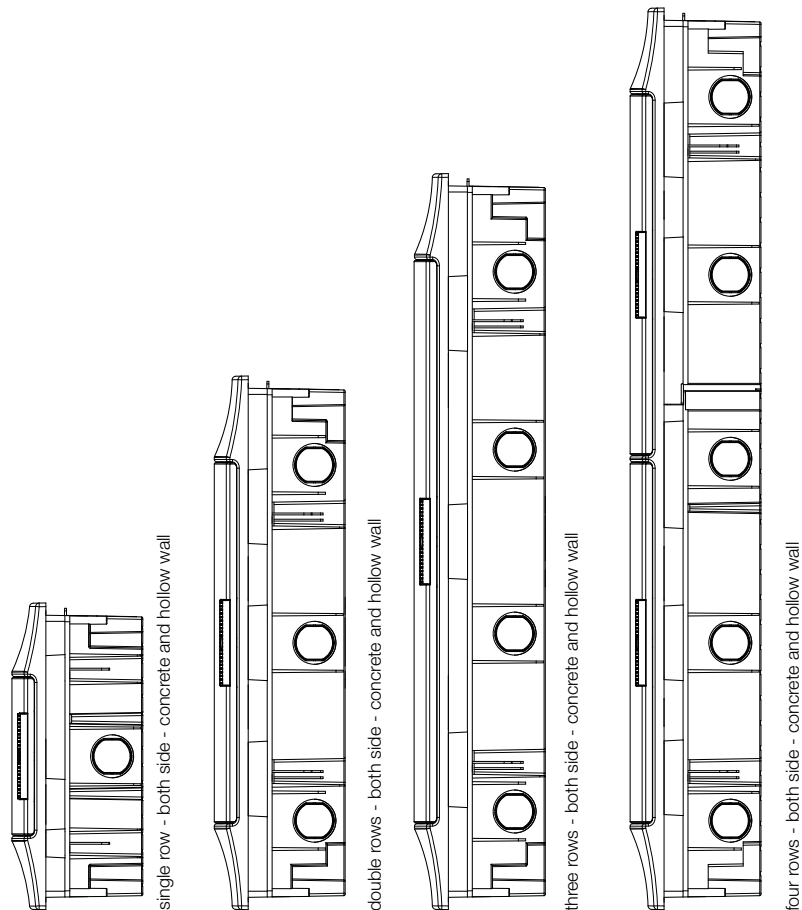
Overall dimensions

System pro E comfort MISTRAL41F

| Box | |
|----------|----------|
| Modules | diam. 32 |
| 4M | 4 |
| 6M | 4 |
| 8M | 4 |
| 12M | 4 |
| 18M | 4 |
| 24M | 8 |
| 36M - 2F | 8 |
| 36M - 3F | 12 |
| 48M | 16 |
| 54M | 12 |
| 72M | 16 |



| Site | |
|----------|----------|
| Modules | diam. 32 |
| 4M | 1 |
| 6M | 1 |
| 8M | 1 |
| 12M | 1 |
| 18M | 1 |
| 24M | 3 |
| 36M - 2F | 3 |
| 36M - 3F | 4 |
| 48M | 5 |
| 54M | 4 |
| 72M | 5 |



single row - both side - concrete and hollow wall

double rows - both side - concrete and hollow wall

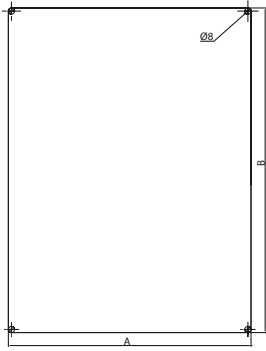
three rows - both side - concrete and hollow wall

four rows - both side - concrete and hollow wall

Quick product references

Overall dimensions

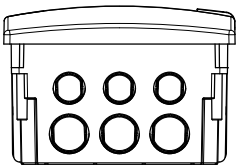
Hollow wall holes dimensions



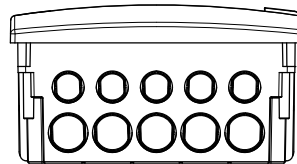
| | A | B |
|----------|-----|-----|
| 4M | 143 | 183 |
| 6M | 183 | 183 |
| 8M | 223 | 231 |
| 12M | 311 | 231 |
| 18M | 421 | 231 |
| 24M | 311 | 416 |
| 36M - 2F | 421 | 416 |
| 36M - 3F | 311 | 581 |
| 48M | 311 | 716 |
| 54M | 421 | 581 |
| 72M | 421 | 716 |

Cable entry

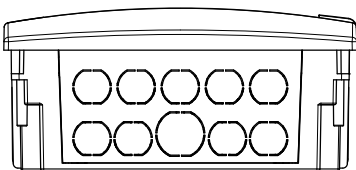
| Modules | diam. 40 | diam. 32 | diam. 25 | diam. 20 | Flange |
|---------|----------|----------|----------|----------|--------|
| 4 | - | - | 3 | 3 | /// |
| 6 | - | - | 5 | 5 | /// |
| 8 | - | 1 | 9 | - | 150x55 |
| 12 | 1 | 8 | 4 | - | 240x55 |
| 18 | 1 | 12 | 2 | - | 330x55 |



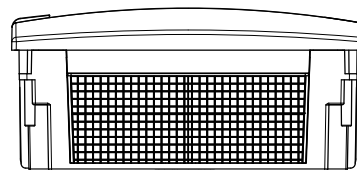
4 modules - top and bottom - concrete and hollow wall



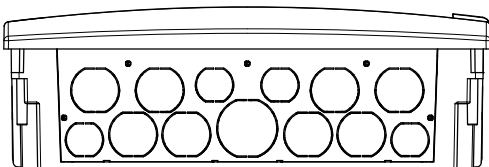
6 modules - top and bottom - concrete and hollow wall



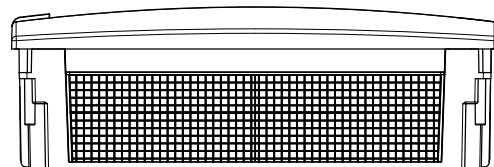
8 modules - top and bottom - hollow wall



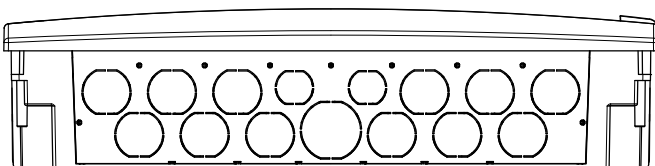
8 modules - top and bottom - concrete wall



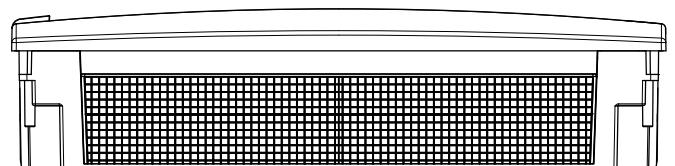
12 modules - top and bottom - hollow wall



12 modules - top and bottom - concrete wall



18 modules - top and bottom - hollow wall

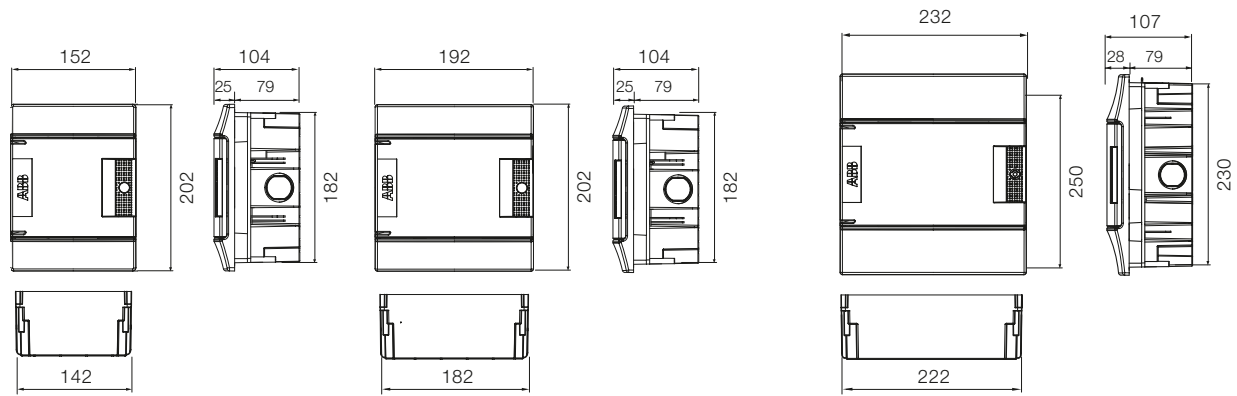


18 modules - top and bottom - concrete wall

Quick product references

Overall dimensions

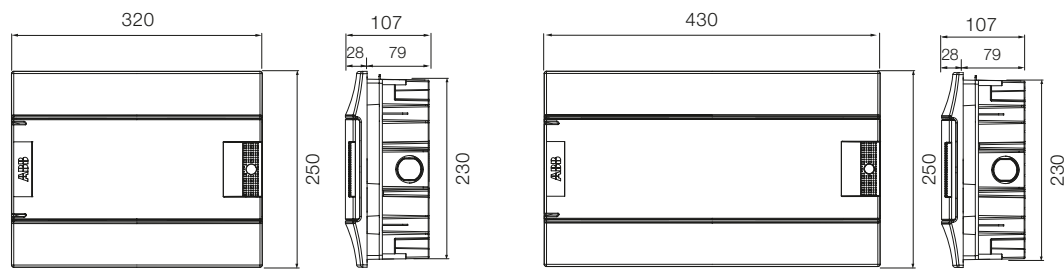
System pro E comfort MISTRAL41F



4 modules

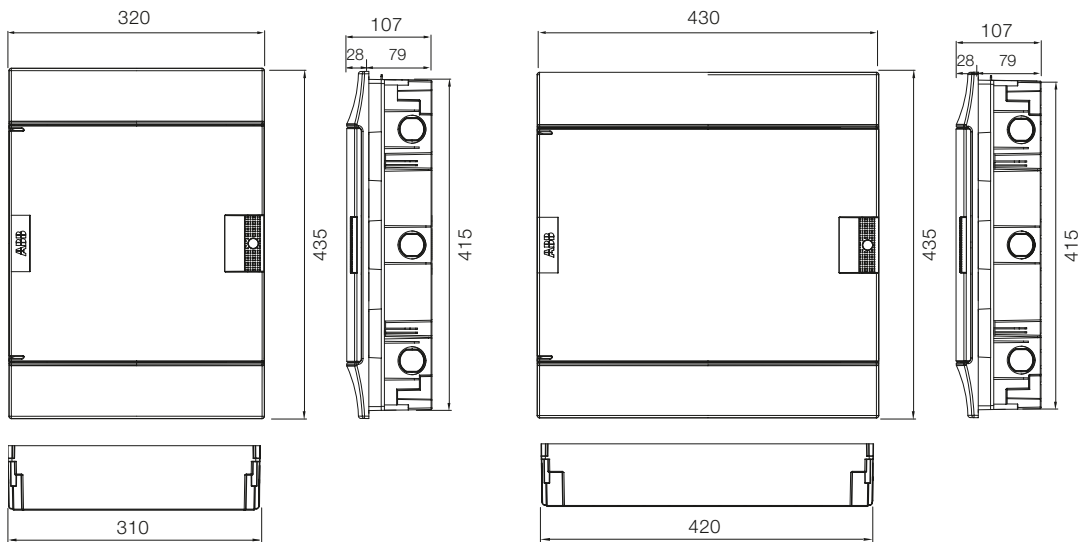
6 modules

8 modules



12 modules

18 modules

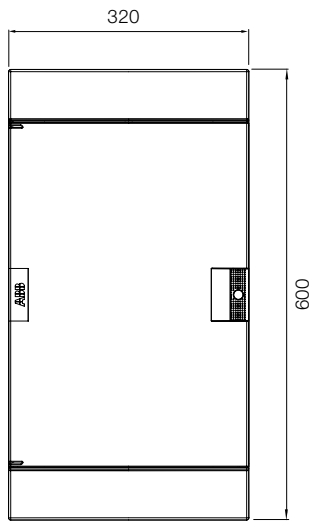


24 modules

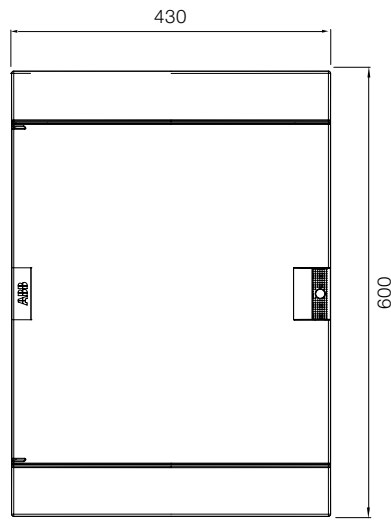
36 modules

Quick product references

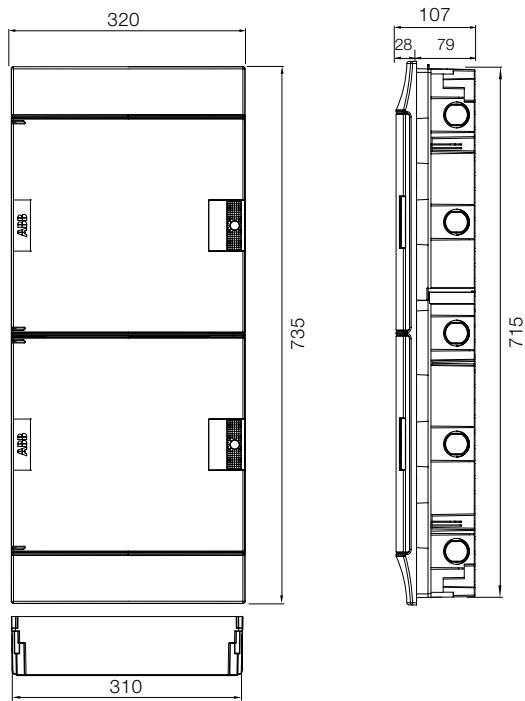
Overall dimensions



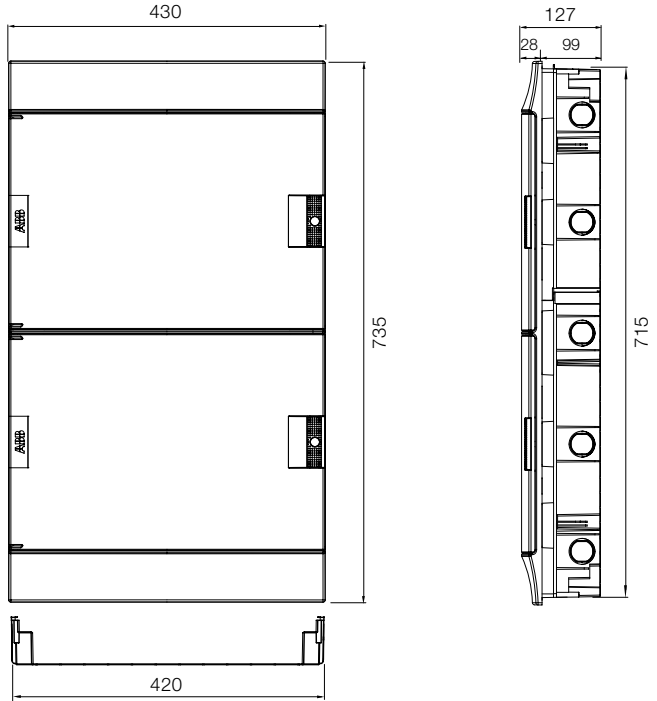
36 modules



54 modules



48 modules

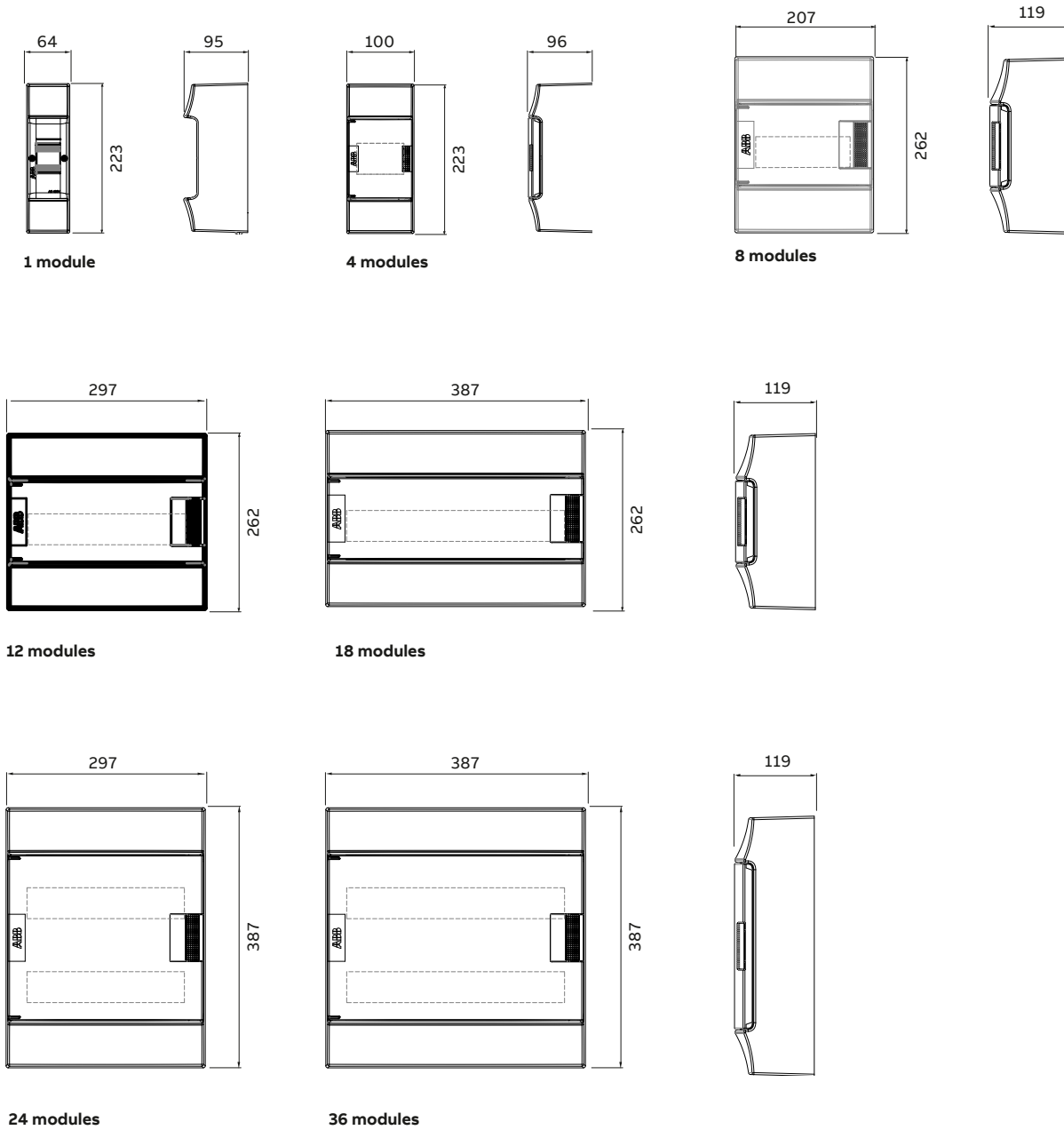


72 modules

Quick product references

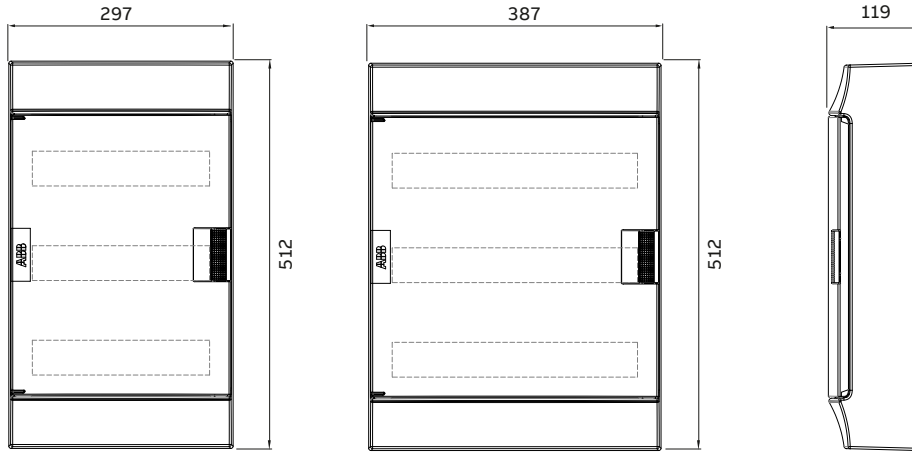
Overall dimensions

System pro E comfort MISTRAL41W



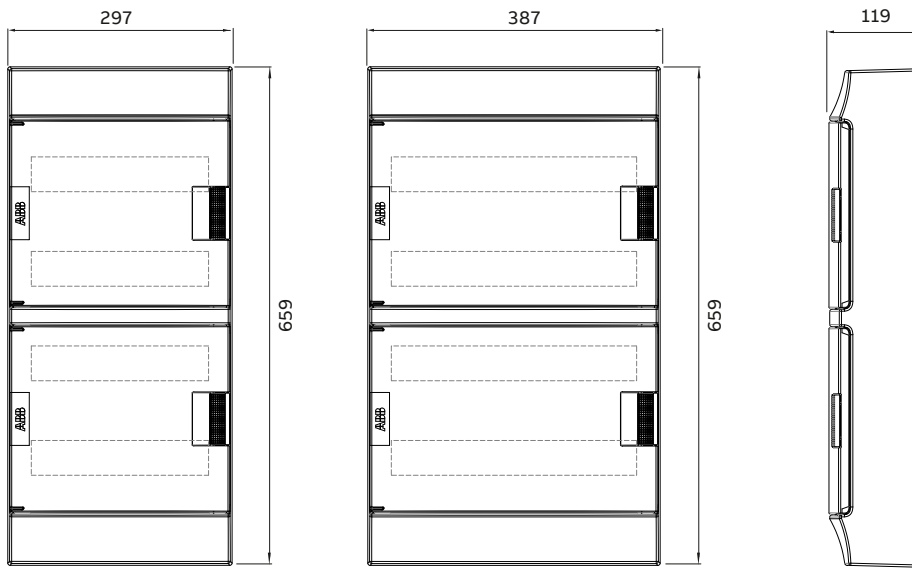
Quick product references

Overall dimensions



36 modules

54 modules



48 modules

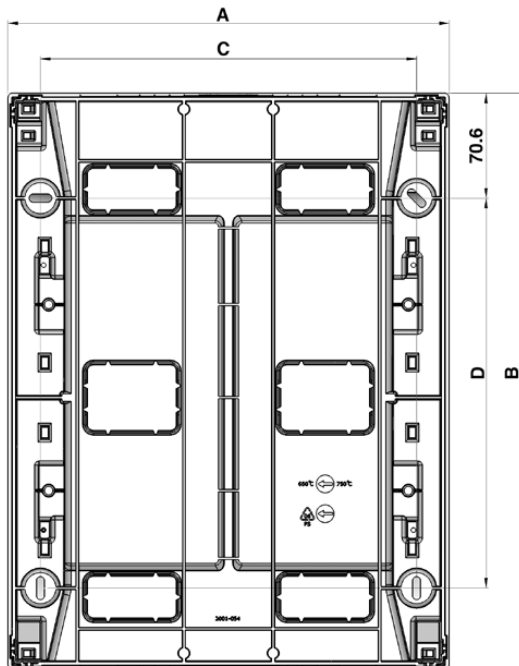
72 modules

Quick product references

Overall dimensions

System pro E comfort MISTRAL41W

Consumer unit fixing template System pro E comfort MISTRAL41W



| | A | B | C | D |
|-----------------|-------|-----|-----|-----|
| 8 Modules | 206,5 | 262 | 163 | 137 |
| 12 Modules | 297 | 262 | 253 | 137 |
| 18 Modules | 387 | 262 | 343 | 137 |
| 24 Modules | 297 | 387 | 253 | 262 |
| 36 Modules 18x2 | 387 | 387 | 343 | 262 |
| 36 Modules 12x3 | 297 | 512 | 253 | 387 |
| 48 Modules | 297 | 659 | 253 | 518 |
| 54 Modules | 387 | 512 | 343 | 387 |
| 72 Modules | 387 | 659 | 343 | 518 |

Quick product references

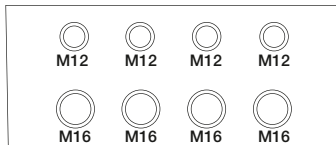
Overall dimensions

System pro E comfort MISTRAL65

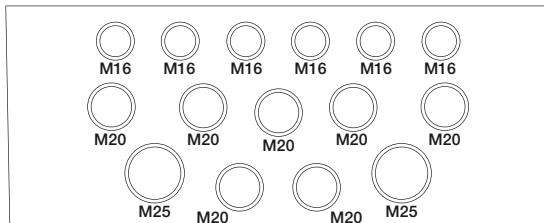
Cable gland table

| Cable Glands | | | | |
|--------------|------|----------|----------|----------|
| Modules | | diam. 16 | diam. 20 | diam. 25 |
| 4 | 04x1 | 2 | - | - |
| 8 | 08x1 | 3 | 3 | - |
| 12 | 12x1 | 2 | 2 | 2 |
| 24 | 12x2 | 5 | 5 | 2 |
| 36 | 12x3 | 5 | 5 | 2 |
| 48 | 12x4 | 5 | 5 | 2 |
| 18 | 18x1 | 2 | 2 | 2 |
| 36 | 18x2 | 5 | 5 | 2 |
| 54 | 18x3 | 5 | 5 | 2 |
| 72 | 18x4 | 5 | 5 | 2 |

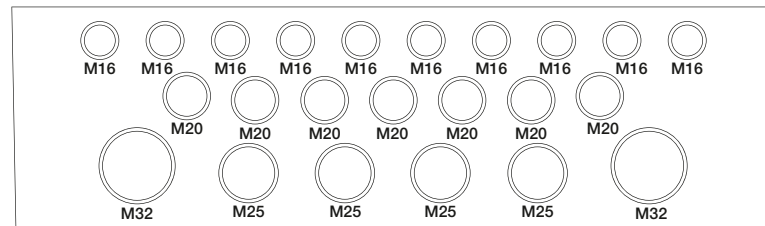
| Holes | | | | | | |
|---------|------|----------|----------|----------|----------|----------|
| Modules | | diam. 12 | diam. 16 | diam. 20 | diam. 25 | diam. 32 |
| 4 | 04x1 | 4 | 4 | - | - | - |
| 8 | 08x1 | - | 6 | 7 | 2 | - |
| 12 | 12x1 | - | 10 | 7 | 4 | 2 |
| 24 | 12x2 | - | 10 | 7 | 4 | 2 |
| 36 | 12x3 | - | 10 | 7 | 4 | 2 |
| 48 | 12x4 | - | 10 | 7 | 4 | 2 |
| 18 | 18x1 | - | 14 | 9 | 4 | 2 |
| 36 | 18x2 | - | 14 | 9 | 4 | 2 |
| 54 | 18x3 | - | 14 | 9 | 4 | 2 |
| 72 | 18x4 | - | 14 | 9 | 4 | 2 |



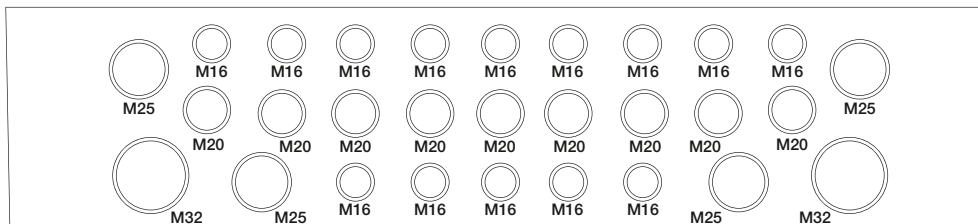
4 modules - top and bottom



8 modules - top and bottom



12 modules - top and bottom

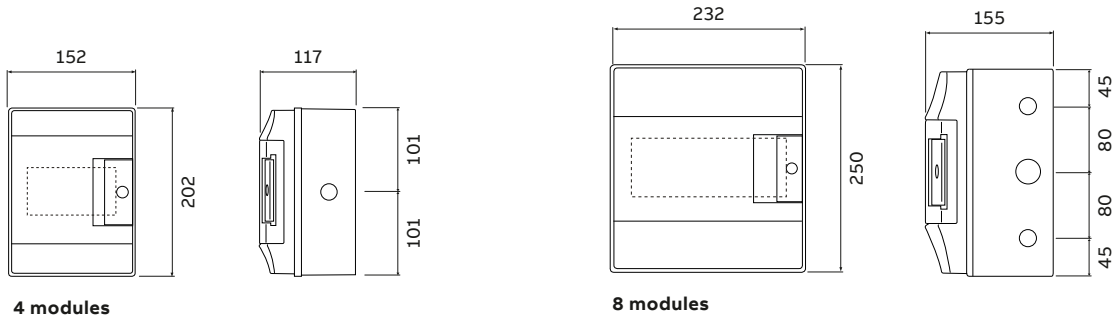


18 modules - top and bottom

Quick product references

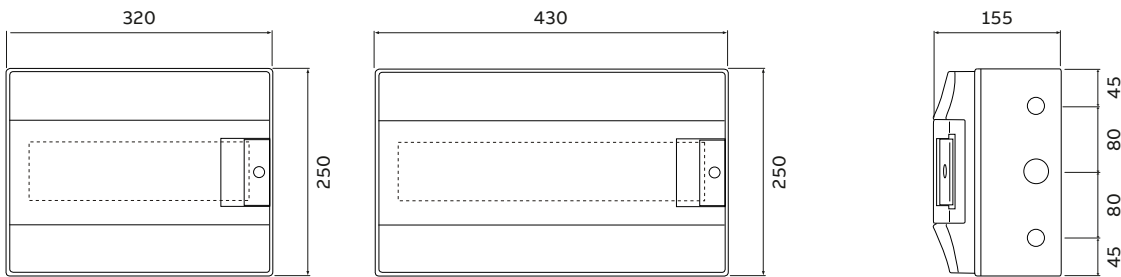
Overall dimensions

System pro E comfort MISTRAL65



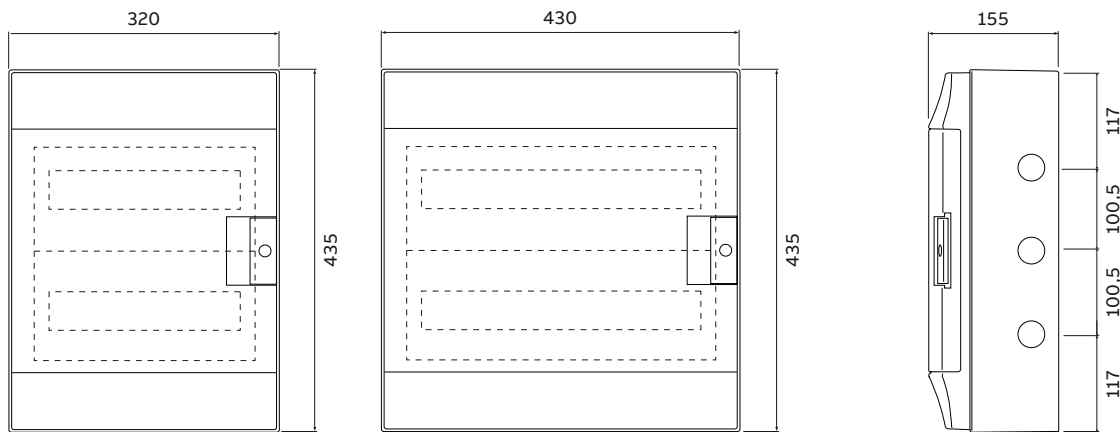
4 modules

8 modules



12 modules

18 modules

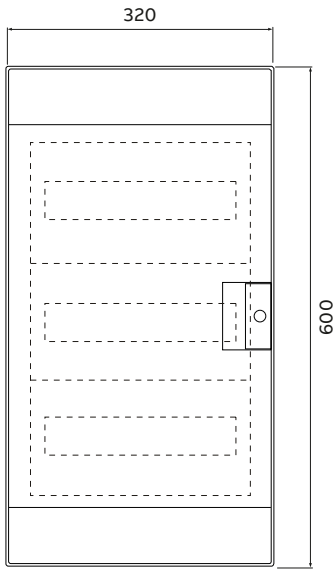


24 modules

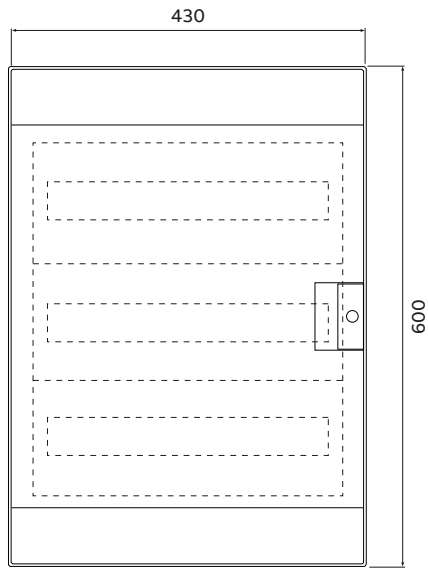
36 modules

Quick product references

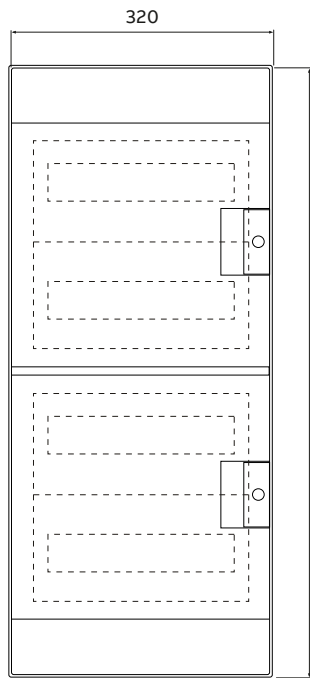
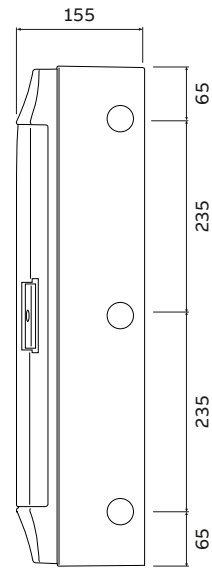
Overall dimensions



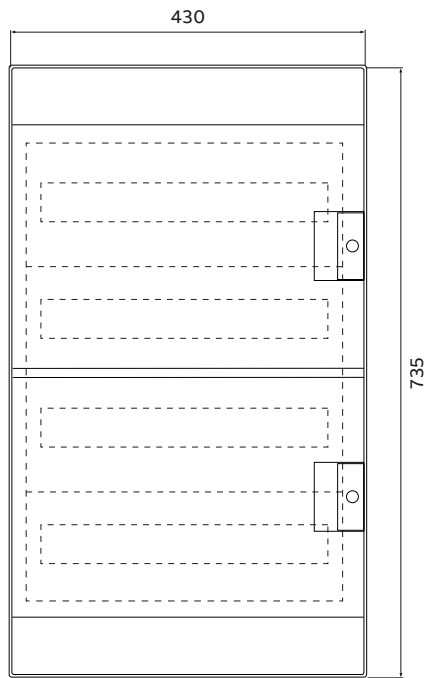
36 modules



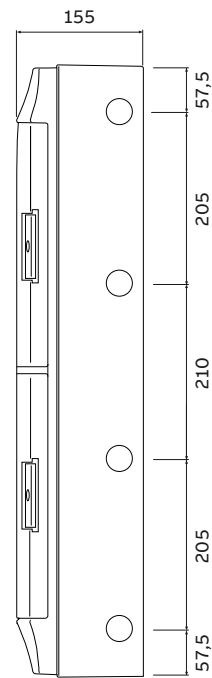
54 modules



48 modules



72 modules

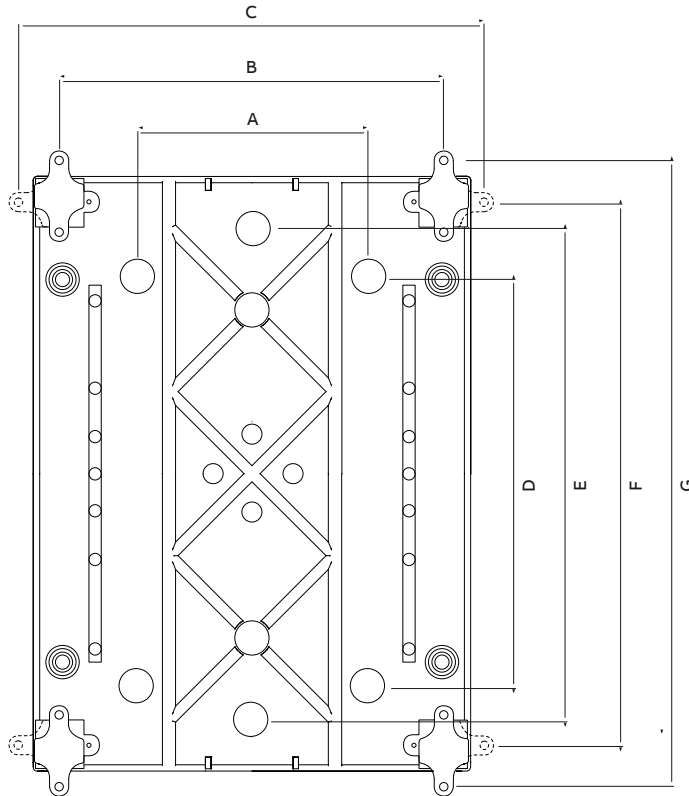


Quick product references

Overall dimensions

System pro E comfort MISTRAL65

Consumer unit fixing template



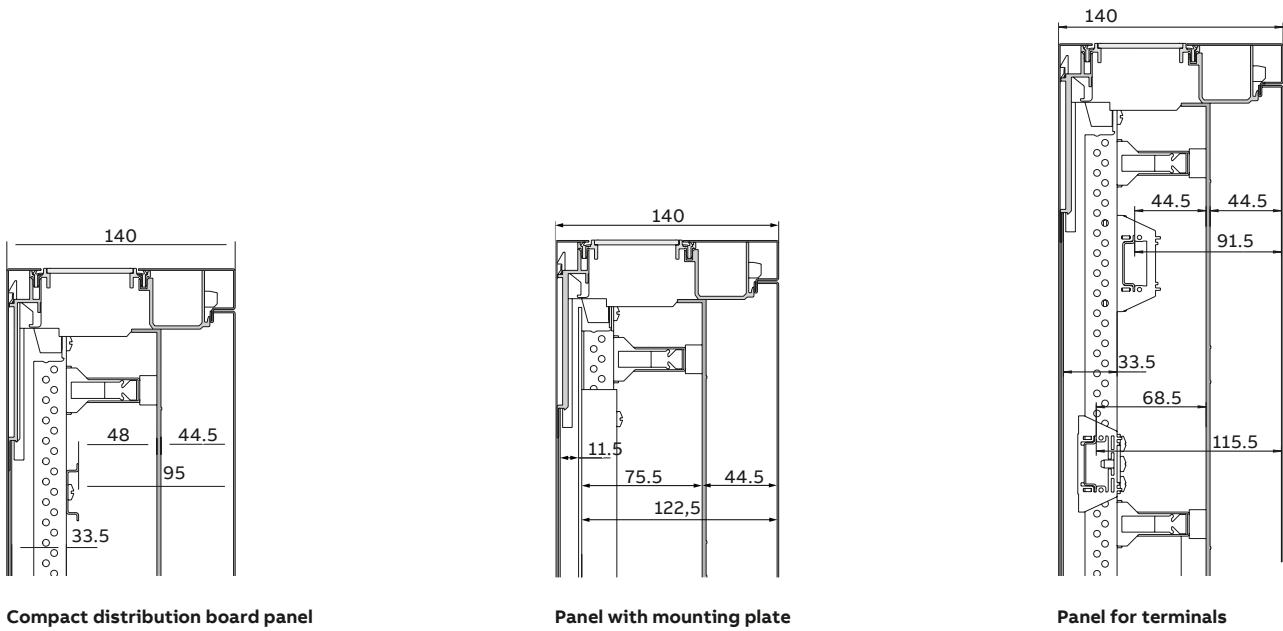
| | A | B | C | D | E | F | G |
|------------------|-----|-------|-------|-----|-----|-----|-------|
| 4 Modules | | 113 | 173 | | 140 | 163 | 223,5 |
| 8 Modules | 90 | 194 | 254,5 | 180 | | 212 | 272,5 |
| 12 Modules | 170 | 282,5 | 343 | 180 | | 212 | 272,5 |
| 18 Modules | 280 | 392 | 452,5 | 125 | 175 | 212 | 272,5 |
| 24 Modules | 170 | 282,5 | 343 | 310 | 360 | 397 | 457,5 |
| 36 Modules - 2 F | 280 | 392 | 452,5 | 310 | 360 | 397 | 457,5 |
| 36 Modules - 3 F | 170 | 282,5 | 343 | 475 | 525 | 562 | 622,5 |
| 48 Modules | 170 | 282,5 | 343 | 610 | 660 | 697 | 757,5 |
| 54 Modules | 280 | 392 | 452,5 | 475 | 525 | 562 | 622,5 |
| 72 Modules | 280 | 392 | 452,5 | 610 | 660 | 697 | 757,5 |

Quick product references

Overall dimensions

AT/U Series

Wall-mounting with door, AT series

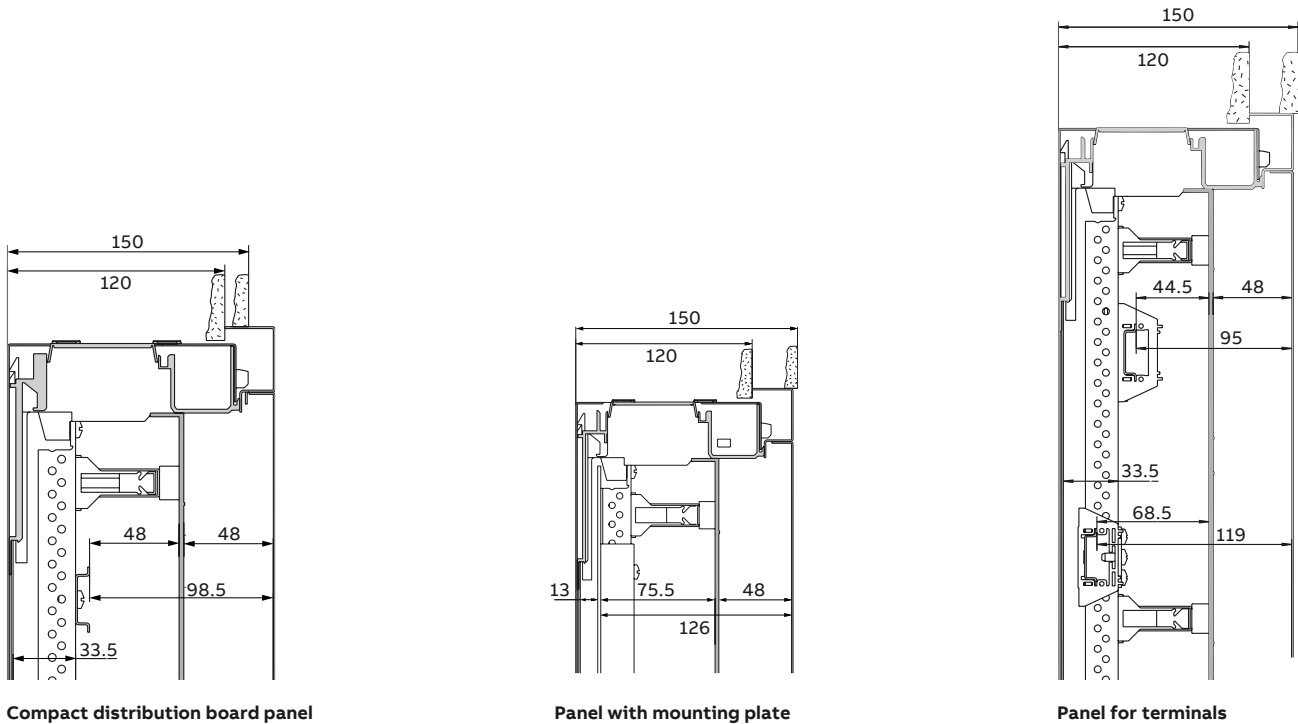


Compact distribution board panel

Panel with mounting plate

Panel for terminals

Flush-mounting with door, U series



Compact distribution board panel

Panel with mounting plate

Panel for terminals

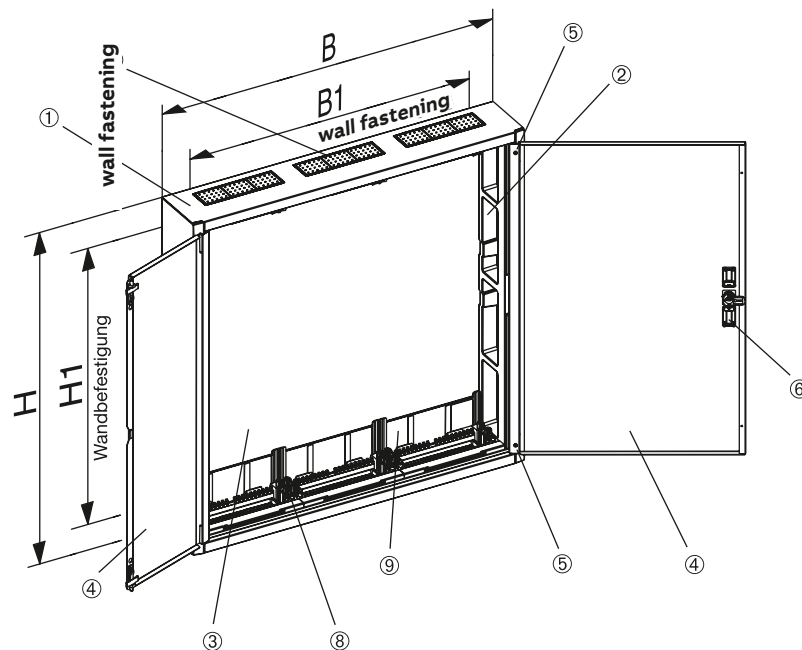
Quick product references

Overall dimensions

Compact distribution boards

| Type | H | W | H1 | W1 |
|--|------|------|-----|-----|
| AT22E | 374 | 574 | 235 | 417 |
| AT31 | 524 | 324 | 385 | 167 |
| AT32, AT32TE, AT32R2, AT32TR2 | 524 | 574 | 385 | 417 |
| AT41, AT41TE, AT41R3, AT41TR3 | 674 | 324 | 535 | 167 |
| AT42, AT42TE, AT42M, AT42/2, AT42R3, AT42TR3 | 674 | 574 | 535 | 417 |
| AT43, AT43R3, AT43TR3 | 674 | 824 | 535 | 667 |
| AT51, AT51TE, AT51R4, AT51TR4 | 824 | 324 | 685 | 167 |
| AT52, AT52TE, AT52K, AT52/2, AT52R4, AT52TR4 | 824 | 574 | 685 | 417 |
| AT53, AT53M, AT53K, AT53R4, AT53TR4 | 824 | 824 | 685 | 667 |
| AT54K, AK54E, AT54R4 | 824 | 1074 | 685 | 917 |
| AT61, AT61TE, AT61R5, AT61TR5 | 974 | 324 | 835 | 167 |
| AT62, AT62TE, AT62K, AT62R5, AT62TR5 | 974 | 574 | 835 | 417 |
| AT63E, AT63K, AT63R5, AT63TR5 | 974 | 824 | 835 | 667 |
| AT64K | 974 | 1074 | 835 | 917 |
| AT72, AT72K, AT72R6, AT72TR6 | 1124 | 574 | 985 | 417 |
| AT73K, AT73R6, AT73TR6 | 1124 | 824 | 985 | 667 |

Dimensions in mm

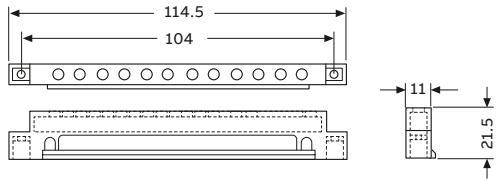


Quick product references

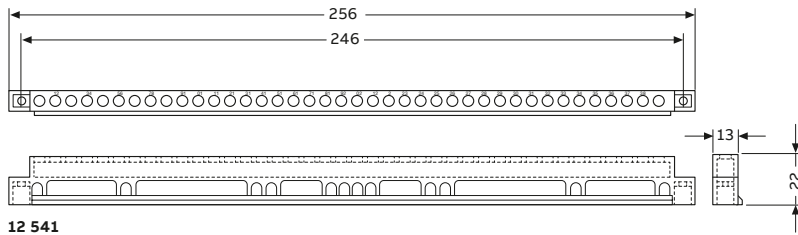
Overall dimensions

Terminal blocks for MISTRAL series

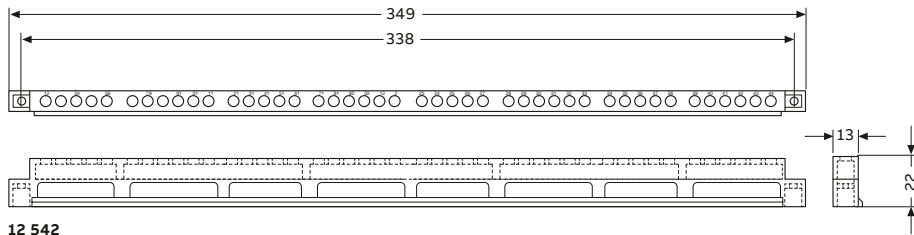
Terminal holders – dimensions



12 539



12 541



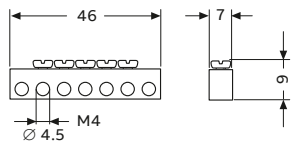
12 542

Quick product references

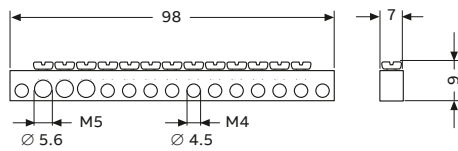
Overall dimensions

Terminal blocks for MISTRAL series

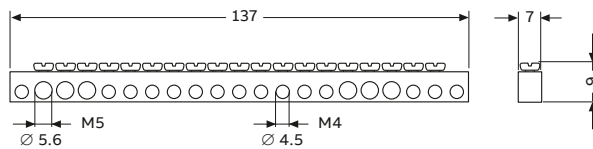
Terminal bars – dimensions



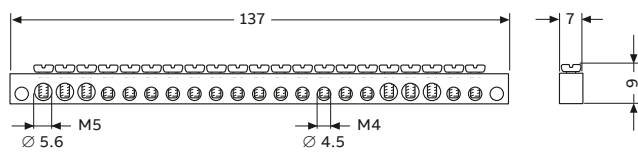
12 531



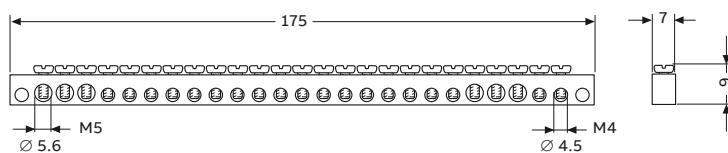
12 532



12 533



12 534



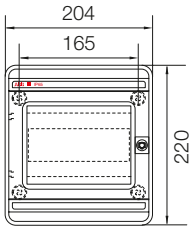
12 535

Quick product references

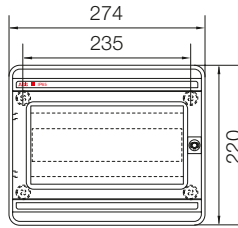
Overall dimensions

EUROPA65 Series wall-mounting consumer units

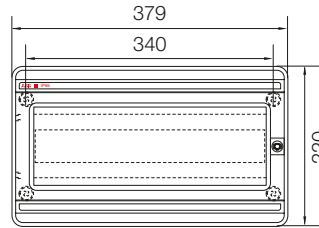
Front view



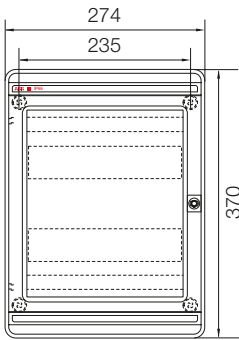
8 modules



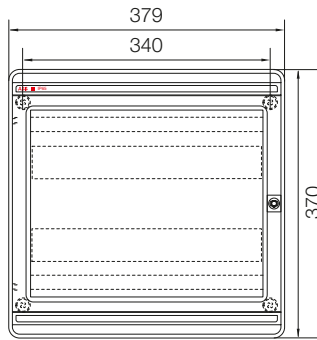
12 modules



18 modules

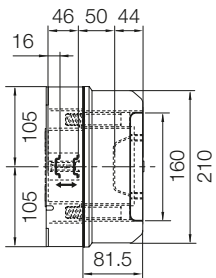


24 modules

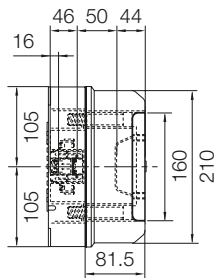


36 modules

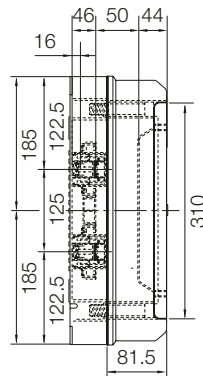
Side view



8 - 12 modules



18 modules



24 -36 modules

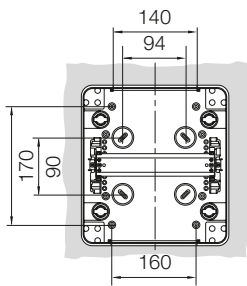
Dimensions mm

Quick product references

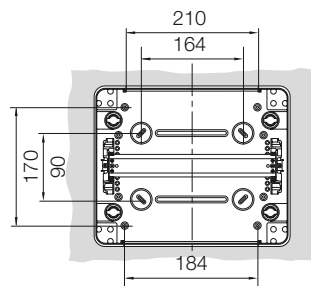
Overall dimensions

EUROPA65 Series wall-mounting consumer units

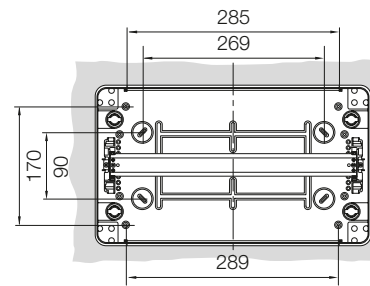
Drilling sheets



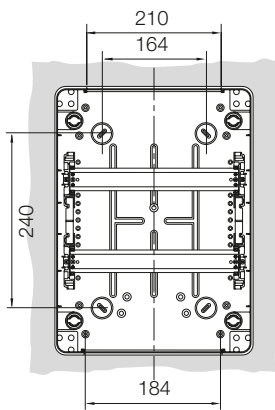
8 modules



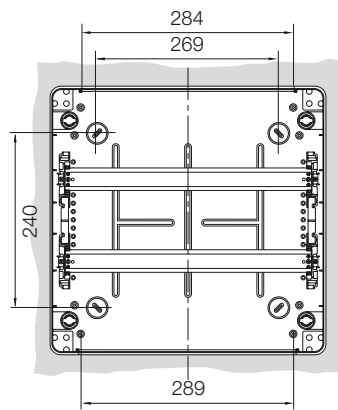
12 modules



18 modules



24 modules



36 modules

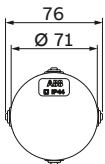
| Modules | Code |
|---------|------------|
| 8 | 1SL2748A01 |
| 12 | 1SL2752A01 |
| 18 | 1SL2753A01 |
| 24 | 1SL2754A01 |
| 36 | 1SL2755A01 |

Quick product references

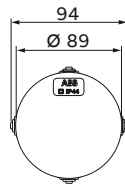
Overall dimensions

IP44, IP55 and IP65 junction boxes

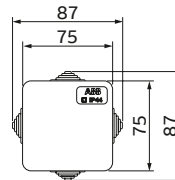
Front view



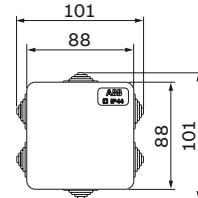
00 800
1SL0900A00



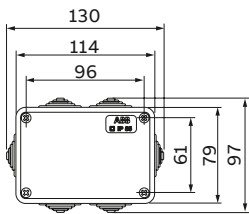
00 802
1SL0901A00



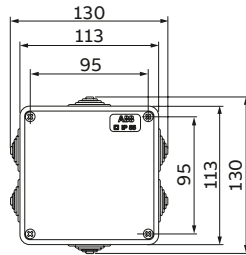
00 808
1SL0902A00



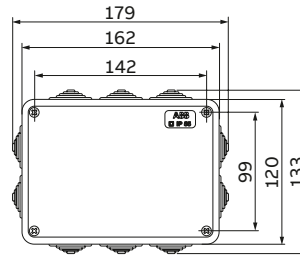
00 810
1SL0903A00



00 820
00 850
1SL0820A00
1SL0850A00
1SL0905A00
1SL0909A00
1SL0920A00
1SL0950A00

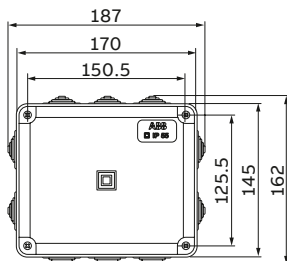


00 816
00 821
00 846
00 851
1SL0816A00
1SL0821A00
1SL0846A00
1SL0851A00

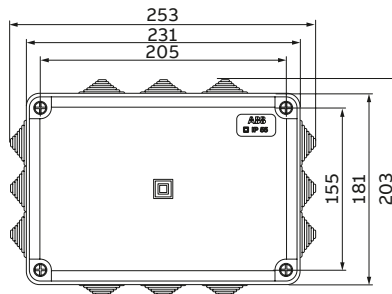


00 822
00 852
00 872
1SL0822A00
1SL0852A00
1SL0872A00

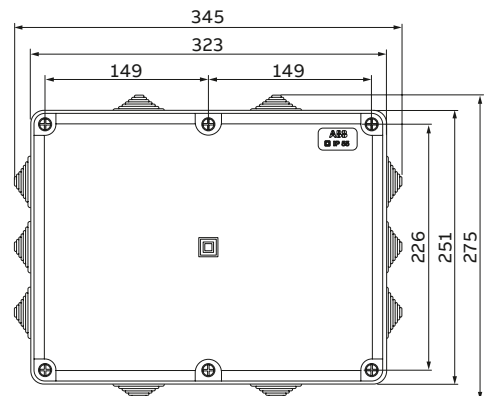
1SL0904A00
1SL0906A00
1SL0908A00
1SL0910A00
1SL0916A00
1SL0921A00
1SL0946A00
1SL0951A00



1SL0824A00
1SL0830A00
1SL0854A00
1SL0860A00
1SL0874A00
1SL0880A00



1SL0826A00
1SL0832A00
1SL0856A00
1SL0862A00
1SL0876A00
1SL0884A00



1SL0828A00
1SL0834A00
1SL0858A00
1SL0864A00
1SL0878A00
1SL0884A00

1SL0924A00
1SL0930A00
1SL0954A00
1SL0960A00
1SL0974A00
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1SL0956A00
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1SL0976A00
1SL0984A00

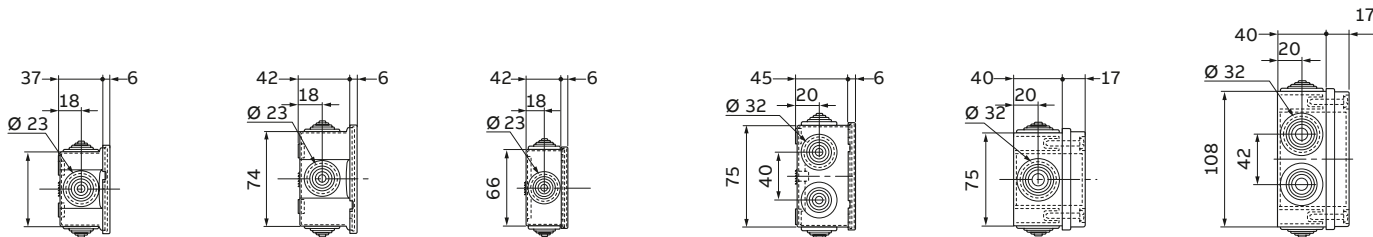
1SL0928A00
1SL0934A00
1SL0958A00
1SL0964A00
1SL0978A00
1SL0984A00

Quick product references

Overall dimensions

IP44, IP55 and IP65 junction boxes

Side view



00 800
1SL0900A00

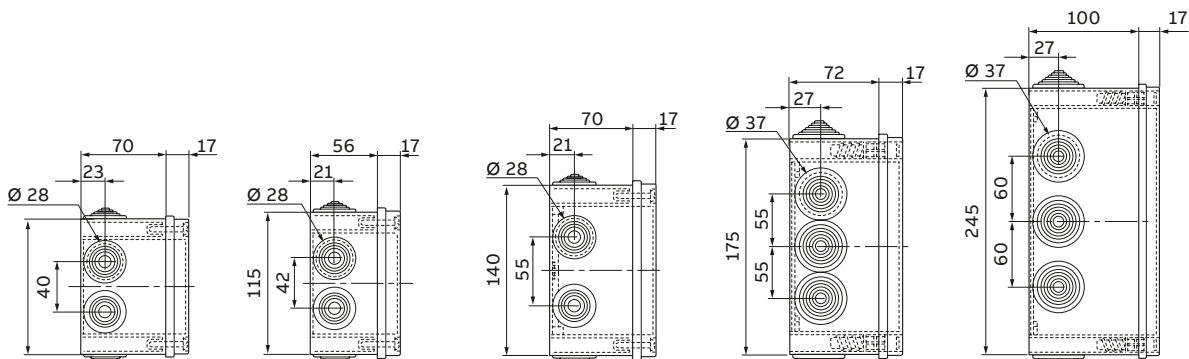
00 802
1SL0901A00

00 808
1SL0902A00

00 810
1SL0903A00

00 820
00 850
1SL0820A00
1SL0850A00
1SL0905A00
1SL0909A00
1SL0920A00
1SL0950A00

00 816
00 846
1SL0816A00
1SL0846A00
1SL0904A00
1SL0908A00
1SL0916A00
1SL0921A00
1SL0946A00



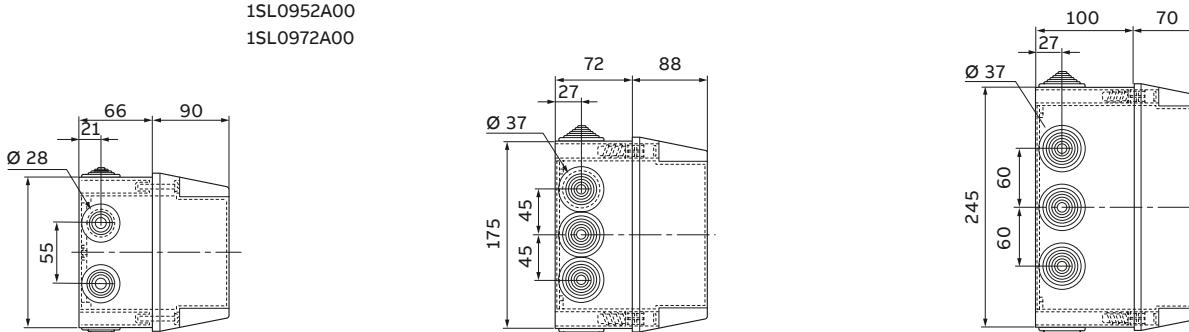
00 821
00 851
1SL0821A00
1SL0851A00
1SL0906A00
1SL0910A00
1SL0921A00
1SL0951A00

00 822
00 852
00 872
1SL0822A00
1SL0852A00
1SL0872A00
1SL0907A00
1SL0911A00
1SL0912A00
1SL0922A00
1SL0952A00
1SL0972A00

1SL0824A00
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1SL0874A00
1SL0924A00
1SL0954A00
1SL0974A00

1SL0826A00
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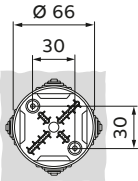
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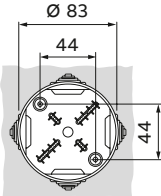
Quick product references

Overall dimensions

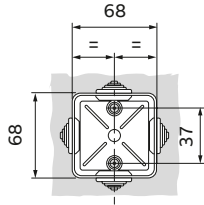
Drilling sheets and internal dimensions



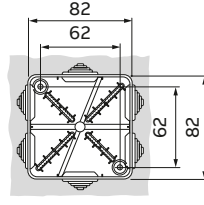
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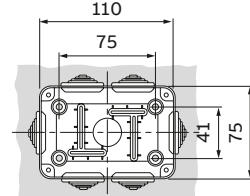
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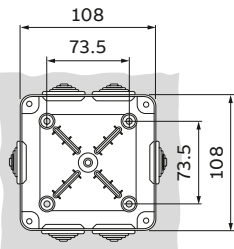


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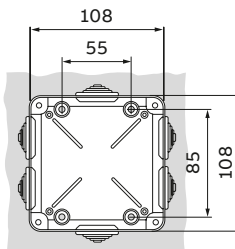
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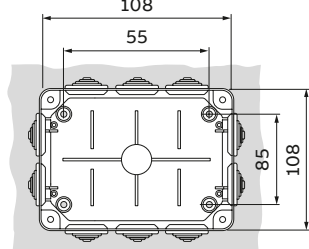
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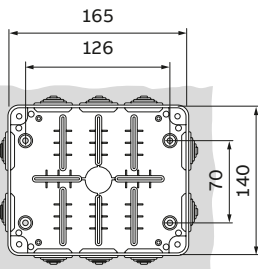
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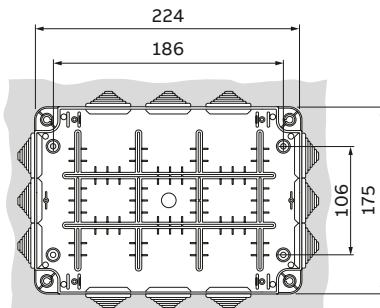
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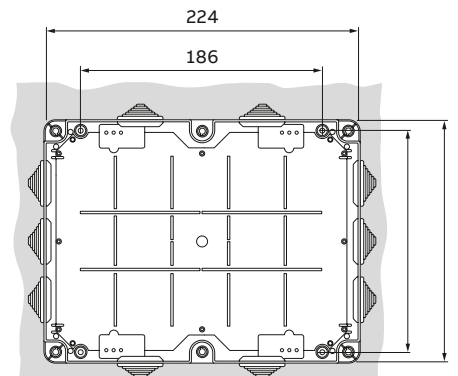
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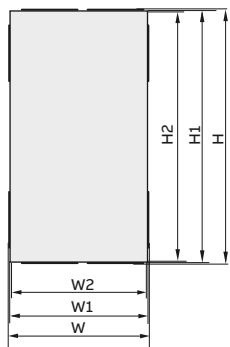
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Quick product references

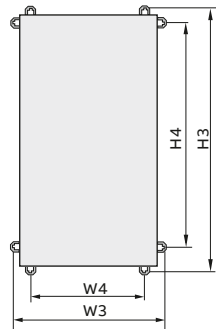
Overall dimensions

TwinLine S 43

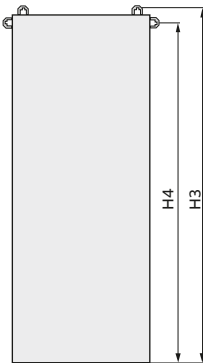
Front view
Wall-mounting and floor-standing cabinet
External/internal dimensions



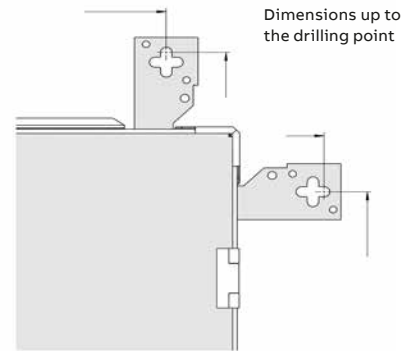
Front view
Wall-mounting cabinet
Wall fastening dimensions



Front view
Floor-standing cabinet
Wall fastening dimensions



Front view
External fastening
Detail



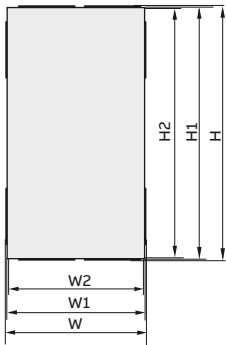
| Cabinet types H x W x D | External dimensions in mm | | | Internal dimensions in mm | | External dimensions with embossing in mm | | Wall fastening dimensions in mm | | | |
|----------------------------|------------------------------|-----|-----|------------------------------|-----|---|-----|------------------------------------|--------|--------|-----|
| | H1 | W1 | D1 | H2 | W2 | H | W | H3 | W3 | H4 | W4 |
| 400 x 300 x 225 | 450 | 390 | 225 | 402 | 342 | 454 | 394 | 578.5 | 518.5 | 345 | 285 |
| 600 x 300 x 225 | 650 | 390 | 225 | 602 | 342 | 654 | 394 | 778.5 | 518.5 | 545 | 285 |
| 800 x 300 x 225 | 850 | 390 | 225 | 802 | 342 | 854 | 394 | 978.5 | 518.5 | 745 | 285 |
| 1000 x 300 x 225 | 1050 | 390 | 225 | 1002 | 342 | 1054 | 394 | 1178.5 | 518.5 | 945 | 285 |
| 1200 x 300 x 225 | 1250 | 390 | 225 | 1202 | 342 | 1254 | 394 | 1378.5 | 518.5 | 1145 | 285 |
| 1400 x 300 x 225 | 1450 | 390 | 225 | 1402 | 342 | 1454 | 394 | 1514 | 518.5 | 1292.5 | 285 |
| 1600 x 300 x 225 | 1650 | 390 | 225 | 1602 | 342 | 1654 | 394 | 1714 | 518.5 | 1492.5 | 285 |
| 1800 x 300 x 225 | 1850 | 390 | 225 | 1802 | 342 | 1854 | 394 | 1914 | 518.5 | 1692.5 | 285 |
| 2000 x 300 x 225 | 2050 | 390 | 225 | 2002 | 342 | 2054 | 394 | 2114 | 518.5 | 1892.5 | 285 |
| 400 x 600 x 225 | 450 | 660 | 225 | 402 | 612 | 454 | 664 | 578.5 | 788.5 | 345 | 555 |
| 600 x 600 x 225 | 650 | 660 | 225 | 602 | 612 | 654 | 664 | 778.5 | 788.5 | 545 | 555 |
| 800 x 600 x 225 | 850 | 660 | 225 | 802 | 612 | 854 | 664 | 978.5 | 788.5 | 745 | 555 |
| 1000 x 600 x 225 | 1050 | 660 | 225 | 1002 | 612 | 1054 | 664 | 1178.5 | 788.5 | 945 | 555 |
| 1200 x 600 x 225 | 1250 | 660 | 225 | 1202 | 612 | 1254 | 664 | 1378.5 | 788.5 | 1145 | 555 |
| 1400 x 600 x 225 | 1450 | 660 | 225 | 1402 | 612 | 1454 | 664 | 1514 | 788.5 | 1292.5 | 555 |
| 1600 x 600 x 225 | 1650 | 660 | 225 | 1602 | 612 | 1654 | 664 | 1714 | 788.5 | 1492.5 | 555 |
| 1800 x 600 x 225 | 1850 | 660 | 225 | 1802 | 612 | 1854 | 664 | 1914 | 788.5 | 1692.5 | 555 |
| 2000 x 600 x 225 | 2050 | 660 | 225 | 2002 | 612 | 2054 | 664 | 2114 | 788.5 | 1892.5 | 555 |
| 400 x 800 x 225 | 450 | 875 | 225 | 402 | 827 | 454 | 879 | 578.5 | 1003.5 | 345 | 770 |
| 600 x 800 x 225 | 650 | 875 | 225 | 602 | 827 | 654 | 879 | 778.5 | 1003.5 | 545 | 770 |
| 800 x 800 x 225 | 850 | 875 | 225 | 802 | 827 | 854 | 879 | 978.5 | 1003.5 | 745 | 770 |
| 1000 x 800 x 225 | 1050 | 875 | 225 | 1002 | 827 | 1054 | 879 | 1178.5 | 1003.5 | 945 | 770 |
| 1200 x 800 x 225 | 1250 | 875 | 225 | 1202 | 827 | 1254 | 879 | 1378.5 | 1003.5 | 1145 | 770 |
| 1400 x 800 x 225 | 1450 | 875 | 225 | 1402 | 827 | 1454 | 879 | 1514 | 1003.5 | 1292.5 | 770 |
| 1600 x 800 x 225 | 1650 | 875 | 225 | 1602 | 827 | 1654 | 879 | 1714 | 1003.5 | 1492.5 | 770 |
| 1800 x 800 x 225 | 1850 | 875 | 225 | 1802 | 827 | 1854 | 879 | 1914 | 1003.5 | 1692.5 | 770 |
| 2000 x 800 x 225 | 2050 | 875 | 225 | 2002 | 827 | 2054 | 879 | 2114 | 1003.5 | 1892.5 | 770 |

Quick product references

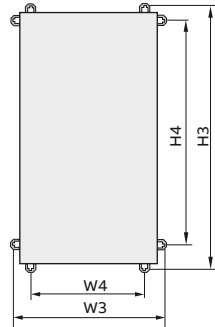
Overall dimensions

TwinLine S 43

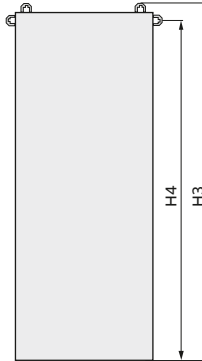
Front view
Wall-mounting and
floor-standing cabinet
External/internal dimensions



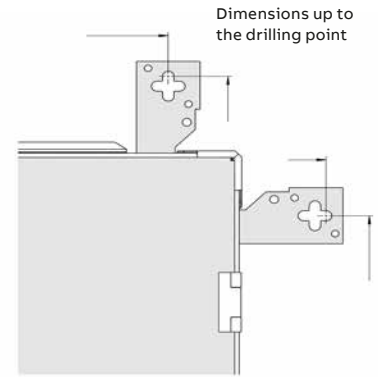
Front view
Wall-mounting cabinet
Wall fastening dimensions



Front view
Floor-standing cabinet
Wall fastening dimensions



Front view
External fastening
Detail



| Cabinet types H x W x D | External dimensions in mm | | | Internal dimensions in mm | | External dimensions with embossing in mm | | Wall fastening dimensions in mm | | | |
|----------------------------|------------------------------|-----|-----|------------------------------|-----|---|-----|------------------------------------|--------|--------|-----|
| | H1 | W1 | D1 | H2 | W2 | H | W | H3 | W3 | H4 | W4 |
| 400 x 300 x 275 | 450 | 390 | 275 | 402 | 342 | 454 | 394 | 578.5 | 518.5 | 345 | 285 |
| 600 x 300 x 275 | 650 | 390 | 275 | 602 | 342 | 654 | 394 | 778.5 | 518.5 | 545 | 285 |
| 800 x 300 x 275 | 850 | 390 | 275 | 802 | 342 | 854 | 394 | 978.5 | 518.5 | 745 | 285 |
| 1000 x 300 x 275 | 1050 | 390 | 275 | 1002 | 342 | 1054 | 394 | 1178.5 | 518.5 | 945 | 285 |
| 1200 x 300 x 275 | 1250 | 390 | 275 | 1202 | 342 | 1254 | 394 | 1378.5 | 518.5 | 1145 | 285 |
| 1400 x 300 x 275 | 1450 | 390 | 275 | 1402 | 342 | 1454 | 394 | 1514 | 518.5 | 1292.5 | 285 |
| 1600 x 300 x 275 | 1650 | 390 | 275 | 1602 | 342 | 1654 | 394 | 1714 | 518.5 | 1492.5 | 285 |
| 1800 x 300 x 275 | 1850 | 390 | 275 | 1802 | 342 | 1854 | 394 | 1914 | 518.5 | 1692.5 | 285 |
| 2000 x 300 x 275 | 2050 | 390 | 275 | 2002 | 342 | 2054 | 394 | 2114 | 518.5 | 1892.5 | 285 |
| 400 x 600 x 275 | 450 | 660 | 275 | 402 | 612 | 454 | 664 | 578.5 | 788.5 | 345 | 555 |
| 600 x 600 x 275 | 650 | 660 | 275 | 602 | 612 | 654 | 664 | 778.5 | 788.5 | 545 | 555 |
| 800 x 600 x 275 | 850 | 660 | 275 | 802 | 612 | 854 | 664 | 978.5 | 788.5 | 745 | 555 |
| 1000 x 600 x 275 | 1050 | 660 | 275 | 1002 | 612 | 1054 | 664 | 1178.5 | 788.5 | 945 | 555 |
| 1200 x 600 x 275 | 1250 | 660 | 275 | 1202 | 612 | 1254 | 664 | 1378.5 | 788.5 | 1145 | 555 |
| 1400 x 600 x 275 | 1450 | 660 | 275 | 1402 | 612 | 1454 | 664 | 1514 | 788.5 | 1292.5 | 555 |
| 1600 x 600 x 275 | 1650 | 660 | 275 | 1602 | 612 | 1654 | 664 | 1714 | 788.5 | 1492.5 | 555 |
| 1800 x 600 x 275 | 1850 | 660 | 275 | 1802 | 612 | 1854 | 664 | 1914 | 788.5 | 1692.5 | 555 |
| 2000 x 600 x 275 | 2050 | 660 | 275 | 2002 | 612 | 2054 | 664 | 2114 | 788.5 | 1892.5 | 555 |
| 400 x 800 x 275 | 450 | 875 | 275 | 402 | 827 | 454 | 879 | 578.5 | 1003.5 | 345 | 770 |
| 600 x 800 x 275 | 650 | 875 | 275 | 602 | 827 | 654 | 879 | 778.5 | 1003.5 | 545 | 770 |
| 800 x 800 x 275 | 850 | 875 | 275 | 802 | 827 | 854 | 879 | 978.5 | 1003.5 | 745 | 770 |
| 1000 x 800 x 275 | 1050 | 875 | 275 | 1002 | 827 | 1054 | 879 | 1178.5 | 1003.5 | 945 | 770 |
| 1200 x 800 x 275 | 1250 | 875 | 275 | 1202 | 827 | 1254 | 879 | 1378.5 | 1003.5 | 1145 | 770 |
| 1400 x 800 x 275 | 1450 | 875 | 275 | 1402 | 827 | 1454 | 879 | 1514 | 1003.5 | 1292.5 | 770 |
| 1600 x 800 x 275 | 1650 | 875 | 275 | 1602 | 827 | 1654 | 879 | 1714 | 1003.5 | 1492.5 | 770 |
| 1800 x 800 x 275 | 1850 | 875 | 275 | 1802 | 827 | 1854 | 879 | 1914 | 1003.5 | 1692.5 | 770 |
| 2000 x 800 x 275 | 2050 | 875 | 275 | 2002 | 827 | 2054 | 879 | 2114 | 1003.5 | 1892.5 | 770 |

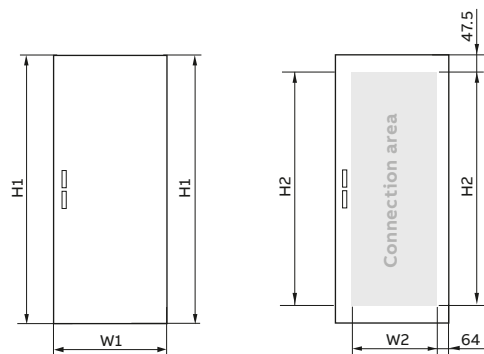
Quick product references

Overall dimensions

TwinLine S 43

External dimensions

Dimensions of usable connection area



| Sheet steel doors Type | External dimensions Height x width in mm | | Internal dimensions Height x width in mm | | Weight in kg | max. installation weight in kg |
|---------------------------|---|-----|---|-----|-----------------|--------------------------------------|
| | H1 | W1 | H2 | W2 | | |
| ESAS0304 | 443 | 379 | 348 | 213 | 4.75 | 5 |
| ESAS0306 | 643 | 379 | 548 | 213 | 6.62 | 5 |
| ESAS0308 | 843 | 379 | 748 | 213 | 7.81 | 5 |
| ESAS0310 | 1043 | 379 | 948 | 213 | 9.72 | 5 |
| ESAS0312 | 1243 | 379 | 1148 | 213 | 11.49 | 5 |
| ESAS0314 | 1443 | 379 | 1348 | 213 | 13.50 | 5 |
| ESAS0316 | 1643 | 379 | 1548 | 213 | 15.05 | 5 |
| ESAS0318 | 1843 | 379 | 1748 | 213 | 16.58 | 5 |
| ESAS0320 | 2043 | 379 | 1948 | 213 | 18.14 | 5 |
| | | | | | | |
| ESAS0604 | 443 | 649 | 348 | 483 | 6.95 | 5 |
| ESAS0606 | 643 | 649 | 548 | 483 | 9.46 | 5 |
| ESAS0608 | 843 | 649 | 748 | 483 | 11.64 | 5 |
| ESAS0610 | 1043 | 649 | 948 | 483 | 13.83 | 5 |
| ESAS0612 | 1243 | 649 | 1148 | 483 | 16.24 | 5 |
| ESAS0614 | 1443 | 649 | 1348 | 483 | 18.88 | 5 |
| ESAS0616 | 1643 | 649 | 1548 | 483 | 21.07 | 5 |
| ESAS0618 | 1843 | 649 | 1748 | 483 | 23.25 | 5 |
| ESAS0620 | 2043 | 649 | 1948 | 483 | 25.43 | 5 |
| | | | | | | |
| ESAS0804 | 443 | 864 | 348 | 698 | 8.70 | 7.5 |
| ESAS0806 | 643 | 864 | 548 | 698 | 11.72 | 7.5 |
| ESAS0808 | 843 | 864 | 748 | 698 | 14.41 | 7.5 |
| ESAS0810 | 1043 | 864 | 948 | 698 | 17.10 | 7.5 |
| ESAS0810 | 1243 | 864 | 1148 | 698 | 20.02 | 7.5 |
| ESAS0814 | 1443 | 864 | 1348 | 698 | 23.17 | 7.5 |
| ESAS0816 | 1643 | 864 | 1548 | 698 | 25.86 | 7.5 |
| ESAS0818 | 1843 | 864 | 1748 | 698 | 28.54 | 7.5 |
| ESAS0820 | 2043 | 864 | 1948 | 698 | 31.23 | 7.5 |

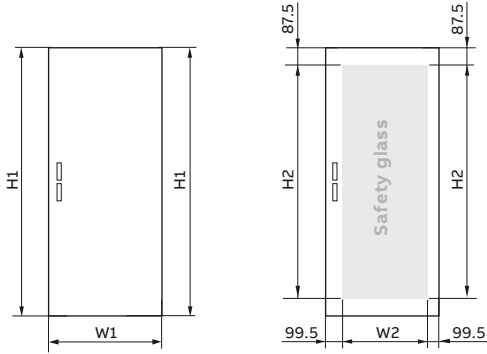
Quick product references

Overall dimensions

TwinLine S 43

External dimensions

Dimensions of viewing area



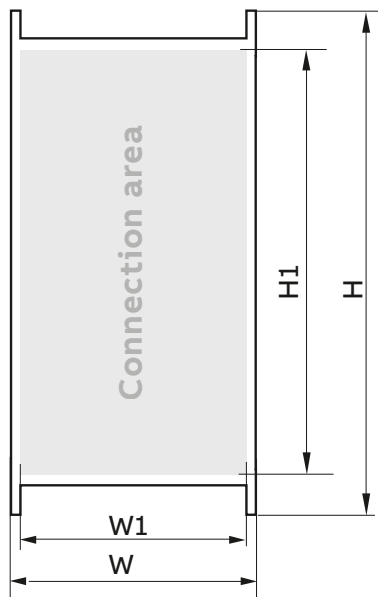
| Transparent doors Type | External dimensions Height x width in mm | | Viewing area Height x width in mm | | Weight in kg |
|---------------------------|---|-----|--------------------------------------|-----|-----------------|
| | H1 | W1 | H2 | W2 | |
| ESAT0606 | 643 | 649 | 468 | 450 | 9.63 |
| ESAT0608 | 843 | 649 | 668 | 450 | 11.67 |
| ESAT0610 | 1043 | 649 | 868 | 450 | 13.7 |
| ESAT0612 | 1243 | 649 | 1068 | 450 | 15.96 |
| ESAT0614 | 1443 | 649 | 1268 | 450 | 18.36 |
| ESAT0616 | 1643 | 649 | 1468 | 450 | 20.4 |
| ESAT0618 | 1843 | 649 | 1668 | 450 | 22.43 |
| ESAT0620 | 2043 | 649 | 1868 | 450 | 24.46 |
| <hr/> | | | | | |
| ESAT0806 | 643 | 864 | 468 | 665 | 11.85 |
| ESAT0808 | 843 | 864 | 668 | 665 | 14.3 |
| ESAT0810 | 1043 | 864 | 868 | 665 | 16.74 |
| ESAT0812 | 1243 | 864 | 1068 | 665 | 19.4 |
| ESAT0814 | 1443 | 864 | 1268 | 665 | 22.23 |
| ESAT0816 | 1643 | 864 | 1468 | 665 | 24.67 |
| ESAT0818 | 1843 | 864 | 1668 | 665 | 27.12 |
| ESAT0820 | 2043 | 864 | 1868 | 665 | 29.56 |
| <hr/> | | | | | |
| ESAT2606 | 643 | 864 | 468 | 450 | 11.66 |
| ESAT2608 | 843 | 864 | 668 | 450 | 14.2 |
| ESAT2610 | 1043 | 864 | 868 | 450 | 16.47 |
| ESAT2612 | 1243 | 864 | 1068 | 450 | 19.5 |
| ESAT2614 | 1443 | 864 | 1268 | 450 | 22.42 |
| ESAT2616 | 1643 | 864 | 1468 | 450 | 24.96 |
| ESAT2618 | 1843 | 864 | 1668 | 450 | 27.5 |
| ESAT2620 | 2043 | 864 | 1868 | 450 | 30 |

Quick product references

Overall dimensions

TwinLine S 43 mounting plate

External dimensions / Usable connection area
Mounting plate



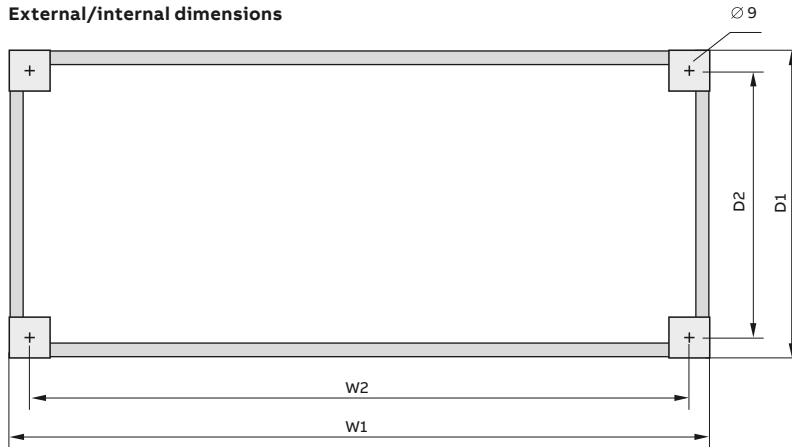
| Type | External dimensions Width x depth in mm | | Internal dimensions Width x depth in mm | | Weight in kg |
|--------|--|-----|--|-----|-----------------|
| | H | W | H1 | W1 | |
| TZM204 | 600 | 496 | 522 | 410 | 3.51 |
| TZM304 | 600 | 746 | 522 | 660 | 8.07 |
| TZM208 | 1200 | 496 | 1122 | 410 | 11.82 |
| TZM308 | 1200 | 746 | 1122 | 660 | 16.45 |
| RM28 | 1800 | 496 | 1722 | 410 | 17.8 |
| RM38 | 1800 | 746 | 1722 | 660 | 21 |

Quick product references

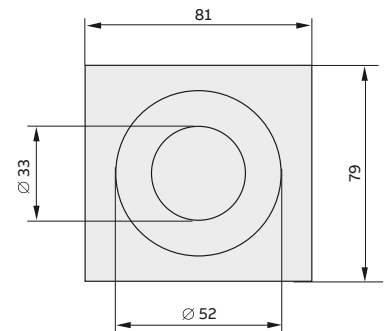
Overall dimensions

TwinLine S 43 plinth

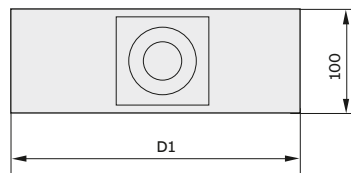
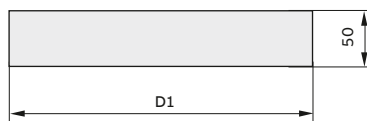
External/internal dimensions



Detail view for side knockout



View side knockout TwinLine-G and -L

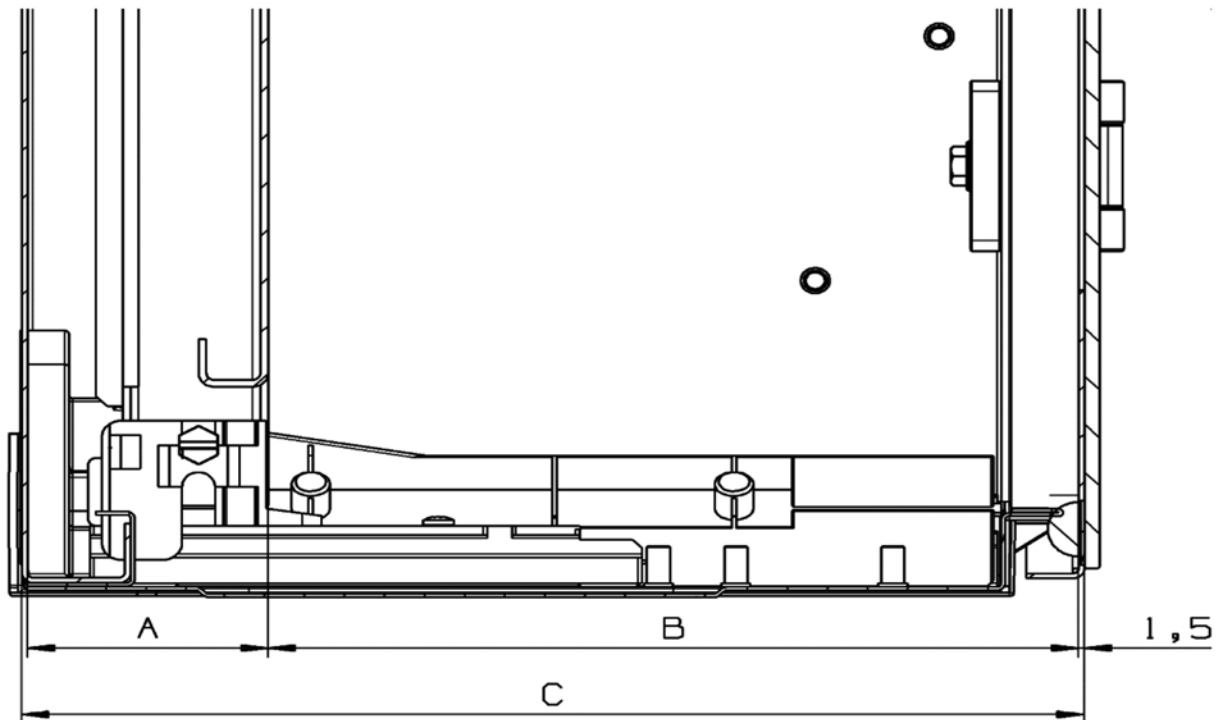


| Type | External dimensions Width x depth in mm | | Internal dimensions Width x depth in mm | | Weight in kg |
|----------------------------|--|-------|--|-------|-----------------|
| | W1 | D1 | W2 | D2 | |
| Plinth height 50mm | | | | | |
| ESAL0305 | 390 | 253.5 | 360 | 223.5 | 1.57 |
| ESAL0605 | 660 | 253.5 | 630 | 223.5 | 2.10 |
| ESAL0805 | 875 | 253.5 | 845 | 223.5 | 2.53 |
| ESAG0305 | 390 | 203.5 | 360 | 173.5 | 1.44 |
| ESAG0605 | 660 | 203.5 | 630 | 173.5 | 1.98 |
| ESAG0805 | 875 | 203.5 | 845 | 173.5 | 2.41 |
| Plinth height 100mm | | | | | |
| ESAL0310 | 390 | 253.5 | 360 | 223.5 | 2.59 |
| ESAL0610 | 660 | 253.5 | 630 | 223.5 | 3.45 |
| ESAL0810 | 875 | 253.5 | 845 | 223.5 | 4.13 |
| ESAG0310 | 390 | 203.5 | 360 | 173.5 | 2.41 |
| ESAG0610 | 660 | 203.5 | 630 | 173.5 | 3.27 |
| ESAG0810 | 875 | 203.5 | 845 | 173.5 | 3.95 |

Quick product references

Overall dimensions

TwinLine S 43 Side view assembly with mounting plate

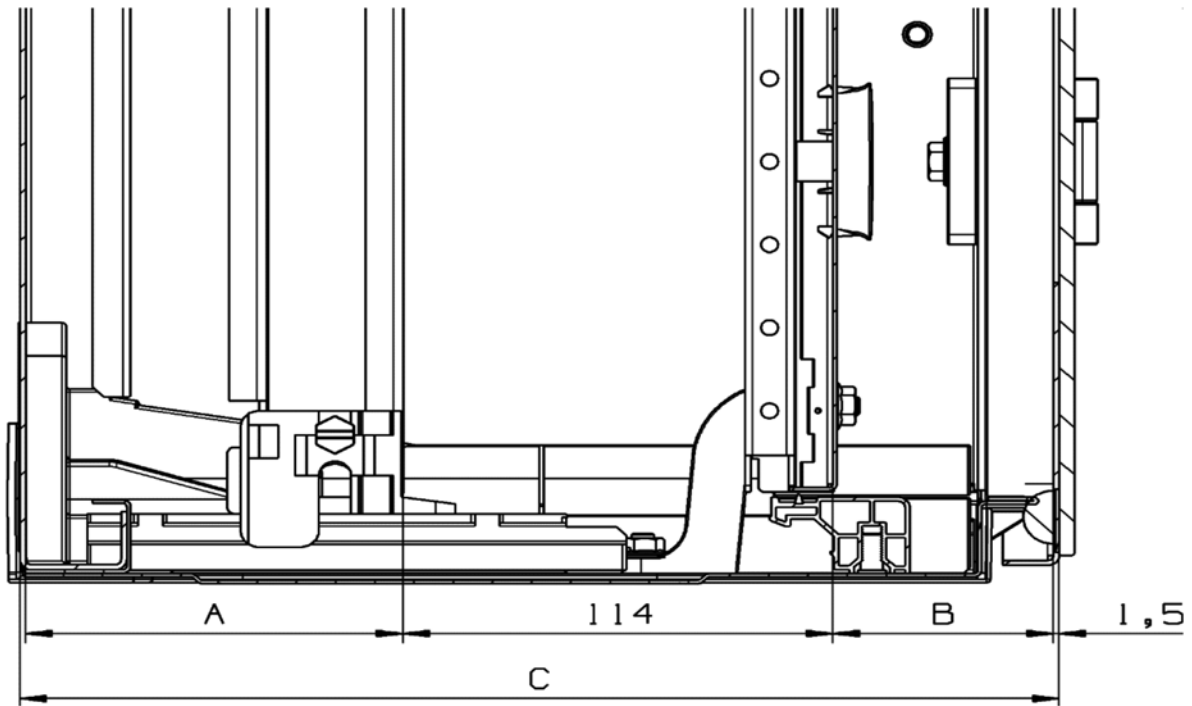


| Cabinet series | Depth (C) in mm | A in mm for installation position | | | | | |
|----------------|-----------------|-----------------------------------|-------|-------|-------|--------|--------|
| | | Pos 3 | Pos 2 | Pos 1 | Pos 0 | Pos -1 | Pos -2 |
| TwinLine G | 225 | 63 | 75.5 | 88 | 100.5 | 113 | 125.5 |
| TwinLine L | 275 | 63 | 75.5 | 88 | 100.5 | 113 | 125.5 |
| Cabinet series | Depth (C) in mm | B in mm for installation position | | | | | |
| TwinLine G | 225 | 159 | 146.5 | 134 | 121.5 | 109 | 96.5 |
| TwinLine L | 275 | 209 | 196.5 | 184 | 171.5 | 159 | 146.5 |

Quick product references

Overall dimensions

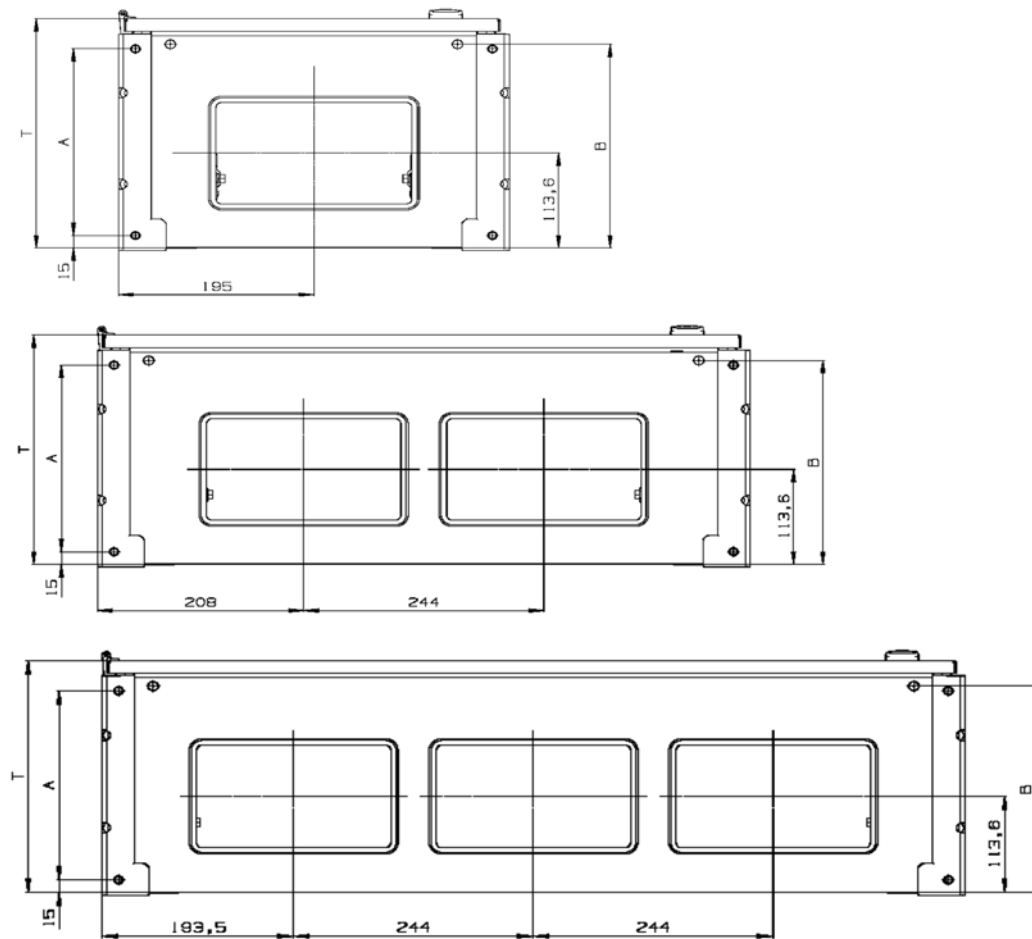
TwinLine S 43 Side view with FlexiLine for 225 mm und 275 mm depth



| | Depth (C) in mm | A in mm | B in mm |
|------------|-----------------|---------|---------|
| TwinLine G | 225 | 62 | 46 |
| TwinLine L | 275 | 100 | 58 |

Quick product references

Overall dimensions

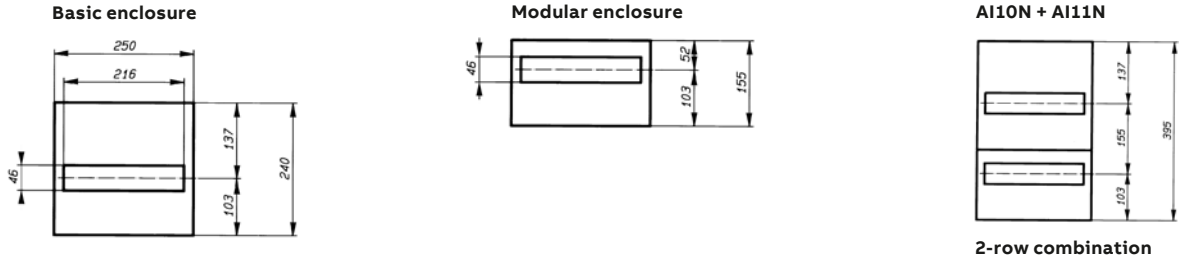


| Depth in mm | A in mm | B in mm |
|-------------|---------|---------|
| 225 | 173.5 | 170 |
| 275 | 223.5 | 244 |

Quick product references

Overall dimensions

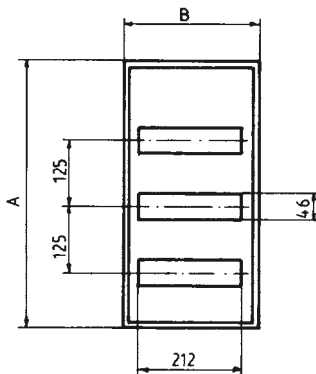
Modular consumer units AI10N / AI11N



Quick product references

Overall dimensions

Hood-type consumer units A300



Allowed power loss hood-type consumer units A300

DIN 43871 with over temperature ΔT^*

| Type | Power loss (W) | | |
|--------|-----------------|-----------------|-----------------|
| | ΔT 20 K | ΔT 25 K | ΔT 30 K |
| A31... | 12.5 | 16.5 | 21.0 |
| A32... | 15.0 | 20.0 | 25.0 |
| A33... | 17.0 | 22.0 | 28.0 |
| A34... | 20.5 | 27.0 | 34.0 |

*T is the temperature difference between upper temperature rise limit, mounted devices and ambient.



| Type | A | B | C |
|--------|-----|-----|-----|
| A31... | 245 | 295 | 110 |
| A32... | 385 | 295 | 110 |
| A33... | 510 | 295 | 110 |
| A34... | 635 | 295 | 110 |

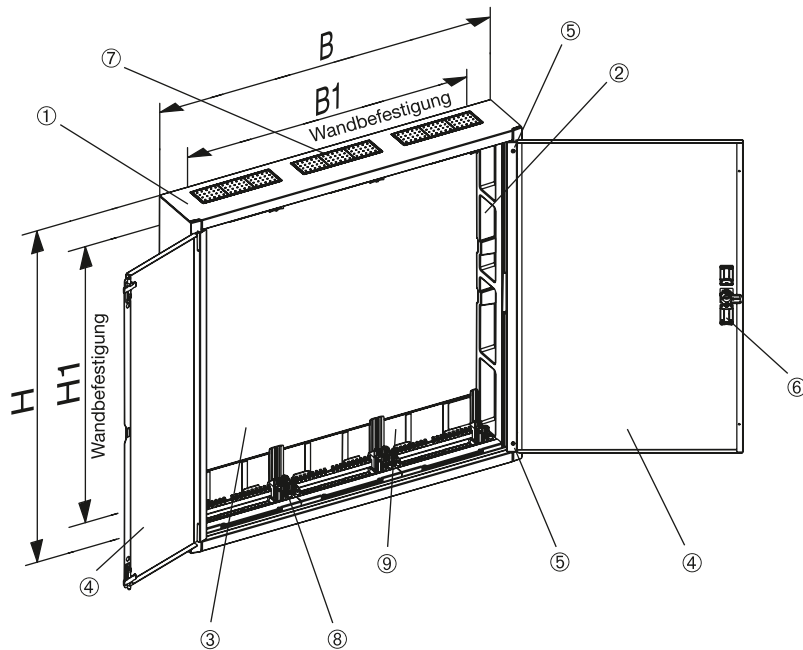
Quick product references

Overall dimensions

Compact distribution boards

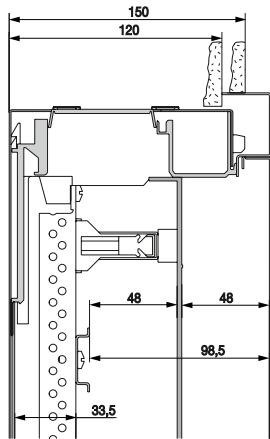
| Type | H | W | H1 | W1 |
|--|------|------|-----|-----|
| AT22E, AL22 | 374 | 574 | 235 | 417 |
| AT31, AL31 | 524 | 324 | 385 | 167 |
| AT32, AT32TE, AT32R2, AT32TR2, AL32 | 524 | 574 | 385 | 417 |
| AT41, AT41TE, AT41R3, AT41TR3, AL41 | 674 | 324 | 535 | 167 |
| AT42, AT42TE, AT42M, AT42/2, AT42R3, AT42TR3, AL42 | 674 | 574 | 535 | 417 |
| AT43, AT43R3, AT43TR3, AL43 | 674 | 824 | 535 | 667 |
| AT51, AT51TE, AT51R4, AT51TR4, AL51 | 824 | 324 | 685 | 167 |
| AT52, AT52TE, AT52K, AT52/2, AT52R4, AT52TR4, AL52 | 824 | 574 | 685 | 417 |
| AT53, AT53M, AT53K, AT53R4, AT53TR4, AL53 | 824 | 824 | 685 | 667 |
| AT54K, AK54E, AT54R4, AL54 | 824 | 1074 | 685 | 917 |
| AT61, AT61TE, AT61R5, AT61TR5, AL61 | 974 | 324 | 835 | 167 |
| AT62, AT62TE, AT62K, AT62R5, AT62TR5, AL62 | 974 | 574 | 835 | 417 |
| AT63E, AT63K, AT63R5, AT63TR5, AL63 | 974 | 824 | 835 | 667 |
| AT64K, AL64 | 974 | 1074 | 835 | 917 |
| AT72, AT72K, AT72R6, AT72TR6, AL72 | 1124 | 574 | 985 | 417 |
| AT73K, AT73R6, AT73TR6, AL73 | 1124 | 824 | 985 | 667 |

Dimensions in mm

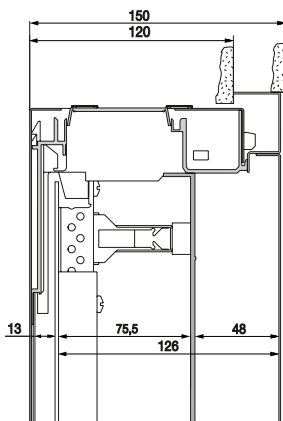


Quick product references

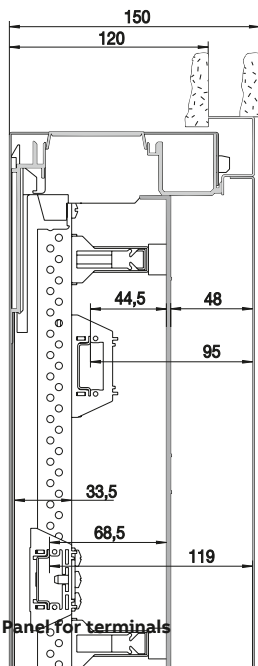
Overall dimensions



Distribution board panel



Mounting plate



Panel for terminals

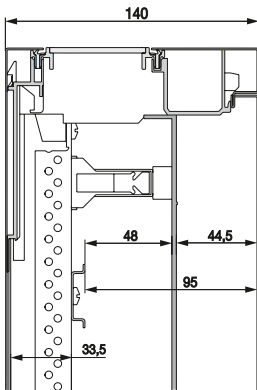
Flush-mounting with door. U

| Type | Weight in kg | Power loss in Watts $\Delta t_{1,0} 20K$ |
|--------|--------------|--|
| U32 | 13.50 | 33.10 |
| U32R2 | 13.00 | 33.10 |
| U32TE | 12.50 | 33.10 |
| U32TR2 | 11.00 | 33.10 |
| U41 | 10.50 | 24.30 |
| U41R3 | 10.50 | 24.30 |
| U41TE | 9.00 | 24.30 |
| U41TR3 | 9.50 | 24.30 |
| U42 | 15.50 | 40.10 |
| U42/2 | 16.50 | 40.10 |
| U42D | 16.50 | 40.10 |
| U42FPT | 17.00 | 40.10 |
| U42M | 18.50 | 40.10 |
| U42R3 | 16.00 | 40.10 |
| U42TE | 14.00 | 40.10 |
| U42TR3 | 14.00 | 40.10 |
| U43 | 22.50 | 57.40 |
| U43R3 | 23.00 | 57.40 |
| U43TR3 | 19.50 | 57.40 |
| U51 | 12.50 | 28.40 |
| U51R4 | 12.00 | 28.40 |
| U51TE | 12.00 | 28.40 |
| U51TR4 | 10.50 | 28.40 |
| U52 | 18.50 | 46.30 |
| U52/2 | 19.00 | 46.30 |
| U52K | 18.50 | 46.30 |
| U52R4 | 18.00 | 46.30 |
| U52TE | 16.00 | 46.30 |
| U52TR4 | 16.00 | 46.30 |
| U53 | 26.50 | 65.60 |
| U53K | 26.00 | 65.60 |
| U53M | 29.00 | 65.60 |
| U53R4 | 26.50 | 65.60 |
| U53TR4 | 22.00 | 65.60 |
| U54E | 33.00 | 61.80 |
| U54K | 32.50 | 61.80 |
| U54R4 | 33.50 | 61.80 |
| U61 | 14.50 | 32.90 |
| U61R5 | 14.50 | 32.90 |
| U61TE | 12.50 | 32.90 |
| U61TR5 | 12.50 | 32.90 |
| U62 | 22.00 | 53.10 |
| U62K | 22.00 | 53.10 |
| U62R5 | 22.00 | 53.10 |
| U62TE | 19.00 | 53.10 |
| U62TR5 | 19.00 | 53.10 |
| U63E | 31.00 | 53.30 |
| U63K | 30.50 | 53.30 |
| U63R5 | 31.50 | 53.30 |
| U63TR5 | 26.00 | 53.30 |
| U64K | 38.00 | 68.30 |
| U72 | 25.00 | 59.80 |
| U72K | 25.00 | 59.80 |
| U72R6 | 26.00 | 59.80 |
| U72TR6 | 21.50 | 59.80 |
| U73K | 35.00 | 62.30 |
| U73R6 | 35.50 | 62.30 |
| U73TR6 | 28.50 | 62.30 |

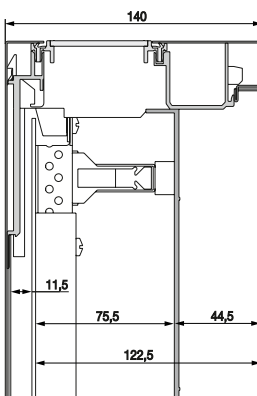
> Dimensions in mm

Quick product references

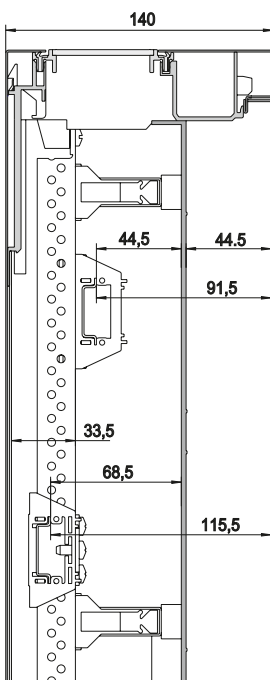
Overall dimensions



Distribution board panel



Mounting plate



Panel for terminals

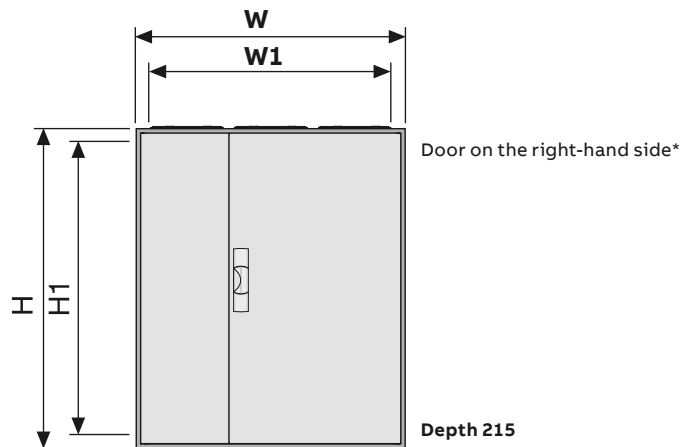
| Wall-mounting with door. AT | | |
|-----------------------------|--------------|--|
| Type | Weight in kg | Power loss in Watts $\Delta t_{1,0} 20K$ |
| AT22E | 9.70 | 36.30 |
| AT31 | 7.50 | 27.30 |
| AT32 | 12.50 | 45.30 |
| AT32R2 | 12.00 | 45.30 |
| AT32TE | 12.00 | 45.30 |
| AT32TR2 | 11.50 | 45.30 |
| AT41 | 9.50 | 33.30 |
| AT41R3 | 10.00 | 33.30 |
| AT41TE | 9.00 | 33.30 |
| AT41TR3 | 9.00 | 33.30 |
| AT42 | 15.00 | 53.90 |
| AT42/2 | 15.50 | 53.90 |
| AT42M | 17.50 | 53.90 |
| AT42R3 | 15.00 | 53.90 |
| AT42TE | 13.00 | 53.90 |
| AT42TR3 | 13.50 | 53.90 |
| AT43 | 21.50 | 76.30 |
| AT43R3 | 21.50 | 76.30 |
| AT43TR3 | 18.00 | 76.30 |
| AT51 | 11.50 | 39.20 |
| AT51R4 | 11.50 | 39.20 |
| AT51TE | 11.50 | 39.20 |
| AT51TR4 | 11.00 | 39.20 |
| AT52 | 17.00 | 62.60 |
| AT52/2 | 18.00 | 62.60 |
| AT52K | 17.50 | 62.60 |
| AT52R4 | 18.00 | 62.60 |
| AT52TE | 18.00 | 62.60 |
| AT52TR4 | 16.00 | 62.60 |
| AT53 | 25.00 | 59.50 |
| AT53K | 25.00 | 59.50 |
| AT53M | 28.00 | 59.50 |
| AT53R4 | 25.50 | 59.50 |
| AT53TR4 | 21.50 | 59.50 |
| AT54E | 32.00 | 85.10 |
| AT54K | 31.00 | 85.10 |
| AT54R4 | 32.50 | 85.10 |
| AT54TR4 | 26.50 | 85.10 |
| AT61 | 13.50 | 45.40 |
| AT61R5 | 13.50 | 45.40 |
| AT61TE | 11.50 | 45.40 |
| AT61TR5 | 12.00 | 45.40 |
| AT62 | 21.00 | 49.60 |
| AT62K | 20.50 | 49.60 |
| AT62R5 | 20.00 | 49.60 |
| AT62TE | 20.00 | 49.60 |
| AT62TR5 | 20.00 | 49.60 |
| AT63E | 29.50 | 70.00 |
| AT63K | 29.00 | 70.00 |
| AT63R5 | 29.00 | 70.00 |
| AT63TR5 | 24.00 | 70.00 |
| AT64K | 36.00 | 100.10 |
| AT72 | 23.50 | 57.30 |
| AT72K | 23.50 | 57.30 |
| AT72R6 | 23.50 | 57.30 |
| AT72TR6 | 20.00 | 57.30 |
| AT73K | 33.50 | 83.60 |
| AT73R6 | 34.00 | 83.60 |
| AT73TR6 | 30.50 | 83.60 |

> Dimensions in mm

Quick product references

Overall dimensions

A wall-mounting cabinets IP43



| Type | OH | PW | SU | GU | Ext. dimensions | | Int. dimensions | | Door on the left-hand side* | Door on the right-hand side* | Weight in kg | Power loss in watts $\Delta t_{1,0}$ 20K |
|-------|----|----|-----|----|-----------------|------|-----------------|------|-----------------------------|------------------------------|-----------------|---|
| | | | | | H | W | H1 | W1 | H x W | H x W | | |
| 1/00A | 00 | 1 | 36 | 3 | 500 | 300 | 452 | 252 | | 471.4 x 272 | 6.20 | 28.80 |
| 2/00A | | 2 | 72 | | 500 | 550 | 452 | 502 | | 471.4 x 522 | 8.40 | 47.40 |
| 3/00A | | 3 | 108 | | 500 | 800 | 452 | 752 | 471.4 x 260 | 471.4 x 510 | 12.20 | 67.10 |
| 4/00A | | 4 | 144 | | 500 | 1050 | 452 | 1002 | 471.4 x 510 | 471.4 x 510 | 15.80 | 66.20 |
| 5/00A | | 5 | 180 | | 500 | 1300 | 452 | 1252 | 471.4 x 510 | 471.4 x 760 | 19.60 | 83.60 |
| 1/0A | 0 | 1 | 48 | 4 | 650 | 300 | 602 | 252 | | 621.4 x 272 | 7.80 | 35.20 |
| 2/0A | | 2 | 96 | | 650 | 550 | 602 | 502 | | 621.4 x 522 | 11.40 | 56.20 |
| 3/0A | | 3 | 144 | | 650 | 800 | 602 | 752 | 621.4 x 260 | 621.4 x 510 | 15.60 | 59.80 |
| 4/0A | | 4 | 192 | | 650 | 1050 | 602 | 1002 | 621.4 x 510 | 621.4 x 510 | 16.80 | 80.90 |
| 5/0A | | 5 | 240 | | 650 | 1300 | 602 | 1252 | 621.4 x 510 | 621.4 x 760 | 24.00 | 105.60 |
| 1/1A | 1 | 1 | 60 | 5 | 800 | 300 | 752 | 252 | | 771.4 x 272 | 9.80 | 41.60 |
| 2/1A | | 2 | 120 | | 800 | 550 | 752 | 502 | | 771.4 x 522 | 13.40 | 65.30 |
| 3/1A | | 3 | 180 | | 800 | 800 | 752 | 752 | 771.4 x 260 | 771.4 x 510 | 18.00 | 69.70 |
| 4/1A | | 4 | 240 | | 800 | 1050 | 752 | 1002 | 771.4 x 510 | 771.4 x 510 | 23.80 | 96.80 |
| 5/1A | | 5 | 300 | | 800 | 1300 | 752 | 1252 | 771.4 x 510 | 771.4 x 760 | 28.00 | 128.40 |
| 1/2A | 2 | 1 | 72 | 6 | 950 | 300 | 902 | 252 | | 921.4 x 272 | 10.80 | 48.10 |
| 2/2A | | 2 | 144 | | 950 | 550 | 902 | 502 | | 921.4 x 522 | 15.60 | 51.90 |
| 3/2A | | 3 | 216 | | 950 | 800 | 902 | 752 | 921.4 x 260 | 921.4 x 510 | 21.00 | 79.20 |
| 4/2A | | 4 | 288 | | 950 | 1050 | 902 | 1002 | 921.4 x 510 | 921.4 x 510 | 26.80 | 112.60 |
| 5/2A | | 5 | 360 | | 950 | 1300 | 902 | 1252 | 921.4 x 510 | 921.4 x 760 | 31.20 | 150.90 |
| 1/3A | 3 | 1 | 84 | 7 | 1100 | 300 | 1052 | 252 | | 1071.4 x 272 | 12.00 | 54.50 |
| 2/3A | | 2 | 168 | | 1100 | 550 | 1052 | 502 | | 1071.4 x 522 | 17.60 | 60.70 |
| 3/3A | | 3 | 252 | | 1100 | 800 | 1052 | 752 | 1071.4 x 260 | 1071.4 x 510 | 23.60 | 87.50 |
| 4/3A | | 4 | 336 | | 1100 | 1050 | 1052 | 1002 | 1071.4 x 510 | 1071.4 x 510 | 30.00 | 131.30 |
| 5/3A | | 5 | 420 | | 1100 | 1300 | 1052 | 1252 | 1071.4 x 510 | 1071.4 x 760 | 35.20 | 171.20 |
| 1/4A | 4 | 1 | 96 | 8 | 1250 | 300 | 1202 | 252 | | 1221.4 x 272 | 14.00 | 60.80 |
| 2/4A | | 2 | 192 | | 1250 | 550 | 1202 | 502 | | 1221.4 x 522 | 19.20 | 68.30 |
| 3/4A | | 3 | 288 | | 1250 | 800 | 1202 | 752 | 1221.4 x 260 | 1221.4 x 510 | 26.00 | 101.50 |
| 4/4A | | 4 | 384 | | 1250 | 1050 | 1202 | 1002 | 1221.4 x 510 | 1221.4 x 510 | 32.40 | 147.40 |
| 5/4A | | 5 | 480 | | 1250 | 1300 | 1202 | 1252 | 1221.4 x 510 | 1221.4 x 760 | 40.20 | 190.50 |
| 1/5A | 5 | 1 | 108 | 9 | 1400 | 300 | 1352 | 252 | | 1371.4 x 272 | 15.00 | 67.20 |
| 2/5A | | 2 | 216 | | 1400 | 550 | 1352 | 502 | | 1371.4 x 522 | 22.40 | 77.80 |
| 3/5A | | 3 | 324 | | 1400 | 800 | 1352 | 752 | 1371.4 x 260 | 1371.4 x 510 | 29.20 | 118.10 |
| 4/5A | | 4 | 432 | | 1400 | 1050 | 1352 | 1002 | 1371.4 x 510 | 1371.4 x 510 | 35.20 | 156.00 |
| 5/5A | | 5 | 540 | | 1400 | 1300 | 1352 | 1252 | 1371.4 x 510 | 1371.4 x 760 | 44.00 | 205.60 |

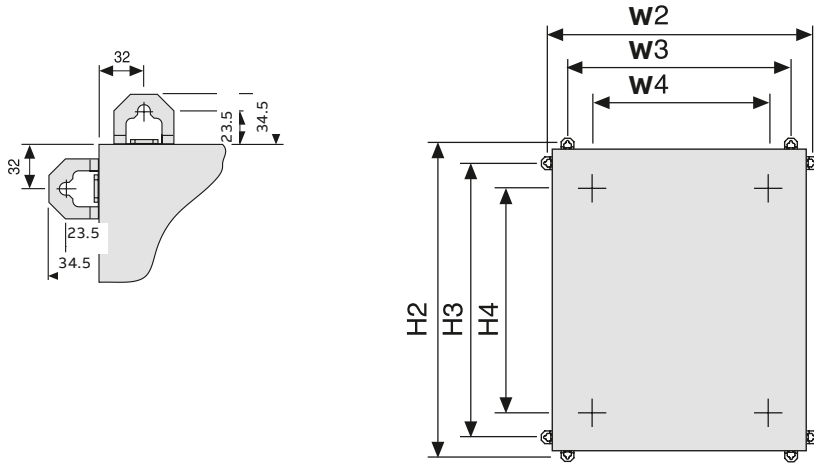
> Dimensions in mm

* Double-wing doors on cabinets with three or more panel widths

Quick product references

Overall dimensions

A wall-mounting cabinets IP43



| Type | OH | PW | SU | GU | Ext. fastening | | | | Int. fastening | | Weight in kg | Power loss in watts $\Delta t_{1,0} 20K$ |
|-------|----|----|-----|----|----------------|------|------|------|----------------|------|-----------------|---|
| | | | | | H2 | H3 | W2 | W3 | H4 | W4 | | |
| 1/00A | 00 | 1 | 36 | 3 | 547 | 436 | 347 | 236 | 402 | 170 | 6.20 | 28.80 |
| 2/00A | | 2 | 72 | | 547 | 436 | 597 | 486 | 402 | 420 | 8.40 | 47.40 |
| 3/00A | | 3 | 108 | | 547 | 436 | 847 | 736 | 402 | 670 | 12.20 | 67.10 |
| 4/00A | | 4 | 144 | | 547 | 436 | 1097 | 986 | 402 | 920 | 15.80 | 66.20 |
| 5/00A | | 5 | 180 | | 547 | 436 | 1347 | 1236 | 402 | 1170 | 19.60 | 83.60 |
| 1/0A | 0 | 1 | 48 | 4 | 697 | 586 | 347 | 236 | 552 | 170 | 7.80 | 35.20 |
| 2/0A | | 2 | 96 | | 697 | 586 | 597 | 486 | 552 | 420 | 11.40 | 56.20 |
| 3/0A | | 3 | 144 | | 697 | 586 | 847 | 736 | 552 | 670 | 15.60 | 59.80 |
| 4/0A | | 4 | 192 | | 697 | 586 | 1097 | 986 | 552 | 920 | 16.80 | 80.90 |
| 5/0A | | 5 | 240 | | 697 | 586 | 1347 | 1236 | 552 | 1170 | 24.00 | 105.60 |
| 1/1A | 1 | 1 | 60 | 5 | 847 | 736 | 347 | 236 | 702 | 170 | 9.80 | 41.60 |
| 2/1A | | 2 | 120 | | 847 | 736 | 597 | 486 | 702 | 420 | 13.40 | 65.30 |
| 3/1A | | 3 | 180 | | 847 | 736 | 847 | 736 | 702 | 670 | 18.00 | 69.70 |
| 4/1A | | 4 | 240 | | 847 | 736 | 1097 | 986 | 702 | 920 | 23.80 | 96.80 |
| 5/1A | | 5 | 300 | | 847 | 736 | 1347 | 1236 | 702 | 1170 | 28.00 | 128.40 |
| 1/2A | 2 | 1 | 72 | 6 | 997 | 886 | 347 | 236 | 852 | 170 | 10.80 | 48.10 |
| 2/2A | | 2 | 144 | | 997 | 886 | 597 | 486 | 852 | 420 | 15.60 | 51.90 |
| 3/2A | | 3 | 216 | | 997 | 886 | 847 | 736 | 852 | 670 | 21.00 | 79.20 |
| 4/2A | | 4 | 288 | | 997 | 886 | 1097 | 986 | 852 | 920 | 26.80 | 112.60 |
| 5/2A | | 5 | 360 | | 997 | 886 | 1347 | 1236 | 852 | 1170 | 31.20 | 150.90 |
| 1/3A | 3 | 1 | 84 | 7 | 1147 | 1036 | 347 | 236 | 1002 | 170 | 12.00 | 54.50 |
| 2/3A | | 2 | 168 | | 1147 | 1036 | 597 | 486 | 1002 | 420 | 17.60 | 60.70 |
| 3/3A | | 3 | 252 | | 1147 | 1036 | 847 | 736 | 1002 | 670 | 23.60 | 87.50 |
| 4/3A | | 4 | 336 | | 1147 | 1036 | 1097 | 986 | 1002 | 920 | 30.00 | 131.30 |
| 5/3A | | 5 | 420 | | 1147 | 1036 | 1347 | 1236 | 1002 | 1170 | 35.20 | 171.20 |
| 1/4A | 4 | 1 | 96 | 8 | 1297 | 1186 | 347 | 236 | 1152 | 170 | 14.00 | 60.80 |
| 2/4A | | 2 | 192 | | 1297 | 1186 | 597 | 486 | 1152 | 420 | 19.20 | 68.30 |
| 3/4A | | 3 | 288 | | 1297 | 1186 | 847 | 736 | 1152 | 670 | 26.00 | 101.50 |
| 4/4A | | 4 | 384 | | 1297 | 1186 | 1097 | 986 | 1152 | 920 | 32.40 | 147.40 |
| 5/4A | | 5 | 480 | | 1297 | 1186 | 1347 | 1236 | 1152 | 1170 | 40.20 | 190.50 |
| 1/5A | 5 | 1 | 108 | 9 | 1447 | 1336 | 347 | 236 | 1302 | 170 | 15.00 | 67.20 |
| 2/5A | | 2 | 216 | | 1447 | 1336 | 597 | 486 | 1302 | 420 | 22.40 | 77.80 |
| 3/5A | | 3 | 324 | | 1447 | 1336 | 847 | 736 | 1302 | 670 | 29.20 | 118.10 |
| 4/5A | | 4 | 432 | | 1447 | 1336 | 1097 | 986 | 1302 | 920 | 35.20 | 156.00 |
| 5/5A | | 5 | 540 | | 1447 | 1336 | 1347 | 1236 | 1302 | 1170 | 44.00 | 205.60 |

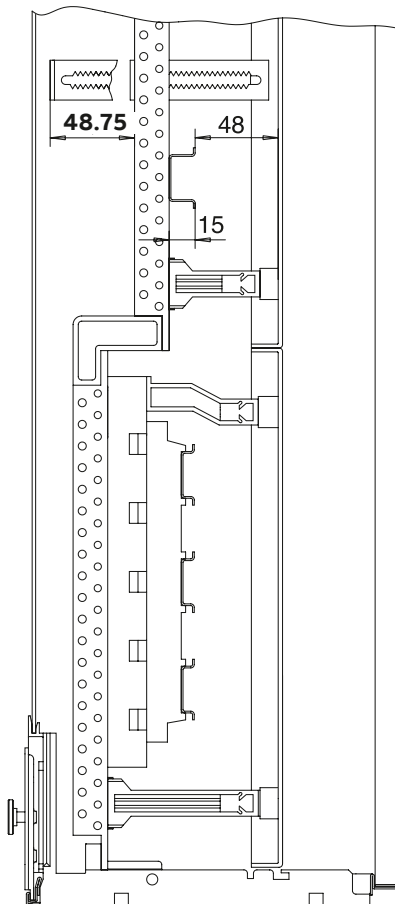
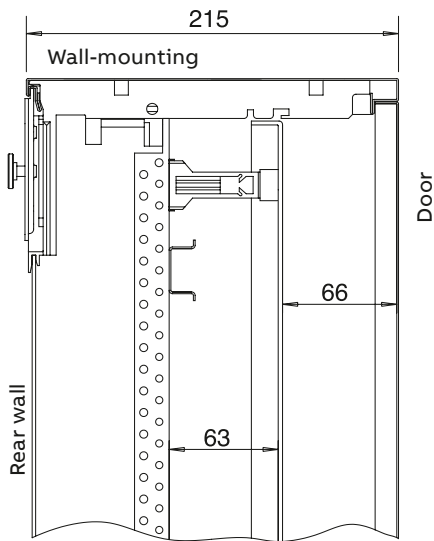
> Dimensions in mm

Quick product references

Overall dimensions

A wall-mounting cabinets IP43 Interior configuration

Cross section with distribution boards panels and combination sets

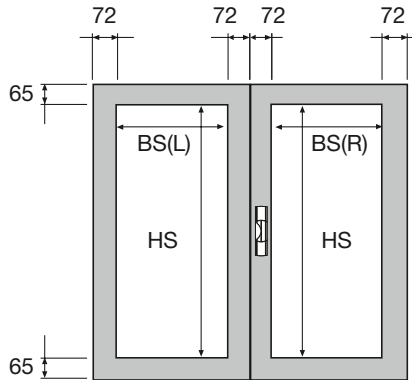


> Dimensions in mm

Quick product references

Overall dimensions

A wall-mounting cabinets IP43 transparent doors



| Type | Cabinet | | | | Door on the left | Door on the right | Window on the left | Window on the right |
|--------|-----------|----|----|----|------------------|-------------------|--------------------|---------------------|
| | A Cabinet | OH | PW | GU | H x W | H x W | HW x WW(L) | HW x WW(R) |
| TTS100 | 1/00A | 00 | 1 | 3 | - | 471.4 x 272 | - | 341.4 x 128 |
| TTS200 | 2/00A | | 2 | | - | 471.4 x 522 | - | 341.4 x 378 |
| TTS300 | 3/00A | | 3 | | 471.4 x 260 | 471.4 x 510 | 341.4 x 116 | 341.4 x 366 |
| TTS400 | 4/00A | | 4 | | 471.4 x 510 | 471.4 x 510 | 341.4 x 366 | 341.4 x 366 |
| TTS500 | 5/00A | | 5 | | 471.4 x 510 | 471.4 x 760 | 341.4 x 366 | 341.4 x 616 |
| TTS10 | 1/0A | 0 | 1 | 4 | - | 621.4 x 272 | - | 491.4 x 128 |
| TTS20 | 2/0A | | 2 | | - | 621.4 x 522 | - | 491.4 x 378 |
| TTS30 | 3/0A | | 3 | | 621.4 x 260 | 621.4 x 510 | 491.4 x 116 | 491.4 x 366 |
| TTS40 | 4/0A | | 4 | | 621.4 x 510 | 621.4 x 510 | 491.4 x 366 | 491.4 x 366 |
| TTS50 | 5/0A | | 5 | | 621.4 x 510 | 621.4 x 760 | 491.4 x 366 | 491.4 x 616 |
| TTS11 | 1/1A | 1 | 1 | 5 | - | 771.4 x 272 | - | 641.4 x 128 |
| TTS21 | 2/1A | | 2 | | - | 771.4 x 522 | - | 641.4 x 378 |
| TTS31 | 3/1A | | 3 | | 771.4 x 260 | 771.4 x 510 | 641.4 x 116 | 641.4 x 366 |
| TTS41 | 4/1A | | 4 | | 771.4 x 510 | 771.4 x 510 | 641.4 x 366 | 641.4 x 366 |
| TTS51 | 5/1A | | 5 | | 771.4 x 510 | 771.4 x 760 | 641.4 x 366 | 641.4 x 616 |
| TTS12 | 1/2A | 2 | 1 | 6 | - | 921.4 x 272 | - | 791.4 x 128 |
| TTS22 | 2/2A | | 2 | | - | 921.4 x 522 | - | 791.4 x 378 |
| TTS32 | 3/2A | | 3 | | 921.4 x 260 | 921.4 x 510 | 791.4 x 116 | 791.4 x 366 |
| TTS42 | 4/2A | | 4 | | 921.4 x 510 | 921.4 x 510 | 791.4 x 366 | 791.4 x 366 |
| TTS52 | 5/2A | | 5 | | 921.4 x 510 | 921.4 x 760 | 791.4 x 366 | 791.4 x 616 |
| TTS13 | 1/3A | 3 | 1 | 7 | - | 1071.4 x 272 | - | 941.4 x 128 |
| TTS23 | 2/3A | | 2 | | - | 1071.4 x 522 | - | 941.4 x 378 |
| TTS33 | 3/3A | | 3 | | 1071.4 x 260 | 1071.4 x 510 | 941.4 x 116 | 941.4 x 366 |
| TTS43 | 4/3A | | 4 | | 1071.4 x 510 | 1071.4 x 510 | 941.4 x 366 | 941.4 x 366 |
| TTS53 | 5/3A | | 5 | | 1071.4 x 510 | 1071.4 x 760 | 941.4 x 366 | 941.4 x 616 |
| TTS14 | 1/4A | 4 | 1 | 8 | - | 1221.4 x 272 | - | 1091.4 x 128 |
| TTS24 | 2/4A | | 2 | | - | 1221.4 x 522 | - | 1091.4 x 378 |
| TTS34 | 3/4A | | 3 | | 1221.4 x 260 | 1221.4 x 510 | 1091.4 x 116 | 1091.4 x 366 |
| TTS44 | 4/4A | | 4 | | 1221.4 x 510 | 1221.4 x 510 | 1091.4 x 366 | 1091.4 x 366 |
| TTS54 | 5/4A | | 5 | | 1221.4 x 510 | 1221.4 x 760 | 1091.4 x 366 | 1091.4 x 616 |
| TTS15 | 1/5A | 5 | 1 | 9 | - | 1371.4 x 272 | - | 1241.4 x 128 |
| TTS25 | 2/5A | | 2 | | - | 1371.4 x 522 | - | 1241.4 x 378 |
| TTS35 | 3/5A | | 3 | | 1371.4 x 260 | 1371.4 x 510 | 1241.4 x 116 | 1241.4 x 366 |
| TTS45 | 4/5A | | 4 | | 1371.4 x 510 | 1371.4 x 510 | 1241.4 x 366 | 1241.4 x 366 |
| TTS55 | 5/5A | | 5 | | 1371.4 x 510 | 1371.4 x 760 | 1241.4 x 366 | 1241.4 x 616 |

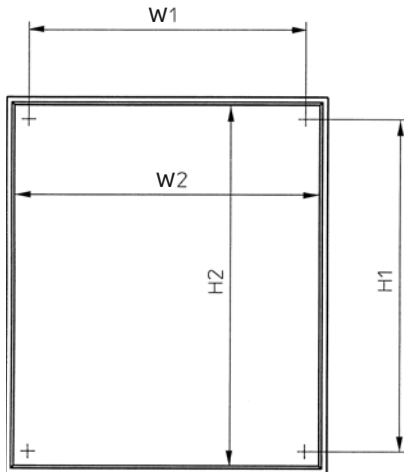
> Dimensions in mm

*Double-wing doors on cabinets with three or more panel widths

Quick product references

Overall dimensions

B wall-mounting cabinets IP43



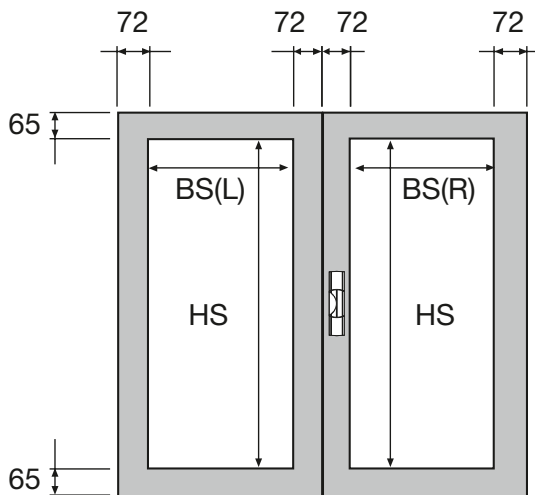
| Type | OH | PW | SU | GU | Ext. dimensions | | | Int. dimensions | | Int. fastening dimensions | | Weight in kg | Power loss in watts $\Delta t_{1,0} 20K$ |
|-------|----|----|-----|----|-----------------|------|-----|-----------------|------|---------------------------|------|-----------------|---|
| | | | | | H | W | D | H2 | W2 | H1 | W1 | | |
| 1/00B | 00 | 1 | 36 | 3 | 500 | 300 | 215 | 452 | 252 | 388 | 188 | 7,40 | 28,80 |
| 2/00B | | 2 | 72 | | 500 | 550 | 215 | 452 | 502 | 388 | 438 | 9,60 | 47,40 |
| 3/00B | | 3 | 108 | | 500 | 800 | 215 | 452 | 752 | 388 | 688 | 13,40 | 67,10 |
| 1/0B | 0 | 1 | 48 | 4 | 650 | 300 | 215 | 602 | 252 | 538 | 188 | 9,00 | 35,20 |
| 2/0B | | 2 | 96 | | 650 | 550 | 215 | 602 | 502 | 538 | 438 | 12,60 | 56,20 |
| 3/0B | | 3 | 144 | | 650 | 800 | 215 | 602 | 752 | 538 | 688 | 16,80 | 59,80 |
| 4/0B | | 4 | 192 | | 650 | 1050 | 215 | 602 | 1002 | 538 | 938 | 18,00 | 80,90 |
| 5/0B | | 5 | 240 | | 650 | 1300 | 215 | 602 | 1252 | 538 | 1188 | 25,20 | 105,60 |
| 1/1B | 1 | 1 | 60 | 5 | 800 | 300 | 215 | 752 | 252 | 688 | 188 | 10,80 | 41,60 |
| 2/1B | | 2 | 120 | | 800 | 550 | 215 | 752 | 502 | 688 | 438 | 14,60 | 65,30 |
| 3/1B | | 3 | 180 | | 800 | 800 | 215 | 752 | 752 | 688 | 688 | 19,20 | 69,70 |
| 4/1B | | 4 | 240 | | 800 | 1050 | 215 | 752 | 1002 | 688 | 938 | 24,80 | 96,80 |
| 5/1B | | 5 | 300 | | 800 | 1300 | 215 | 752 | 1252 | 688 | 1188 | 29,20 | 128,40 |
| 1/2B | 2 | 1 | 72 | 6 | 950 | 300 | 215 | 902 | 252 | 838 | 188 | 12,00 | 48,10 |
| 2/2B | | 2 | 144 | | 950 | 550 | 215 | 902 | 502 | 838 | 438 | 16,80 | 51,90 |
| 3/2B | | 3 | 216 | | 950 | 800 | 215 | 902 | 752 | 838 | 688 | 22,20 | 79,20 |
| 4/2B | | 4 | 288 | | 950 | 1050 | 215 | 902 | 1002 | 838 | 938 | 28,00 | 112,60 |
| 5/2B | | 5 | 360 | | 950 | 1300 | 215 | 902 | 1252 | 838 | 1188 | 32,40 | 150,90 |
| 1/3B | 3 | 1 | 84 | 7 | 1100 | 300 | 215 | 1052 | 252 | 988 | 188 | 13,20 | 54,50 |
| 2/3B | | 2 | 168 | | 1100 | 550 | 215 | 1052 | 502 | 988 | 438 | 18,80 | 60,70 |
| 3/3B | | 3 | 252 | | 1100 | 800 | 215 | 1052 | 752 | 988 | 688 | 24,80 | 87,50 |
| 4/3B | | 4 | 336 | | 1100 | 1050 | 215 | 1052 | 1002 | 988 | 938 | 31,20 | 131,30 |
| 5/3B | | 5 | 420 | | 1100 | 1300 | 215 | 1052 | 1252 | 988 | 1188 | 36,40 | 171,20 |
| 1/4B | 4 | 1 | 96 | 8 | 1250 | 300 | 215 | 1202 | 252 | 1138 | 188 | 15,00 | 60,80 |
| 2/4B | | 2 | 192 | | 1250 | 550 | 215 | 1202 | 502 | 1138 | 438 | 20,40 | 68,30 |
| 3/4B | | 3 | 288 | | 1250 | 800 | 215 | 1202 | 752 | 1138 | 688 | 27,20 | 101,50 |
| 4/4B | | 4 | 384 | | 1250 | 1050 | 215 | 1202 | 1002 | 1138 | 938 | 33,60 | 147,40 |
| 5/4B | | 5 | 480 | | 1250 | 1300 | 215 | 1202 | 1252 | 1138 | 1188 | 41,40 | 190,50 |
| 1/5B | 5 | 1 | 108 | 9 | 1400 | 300 | 215 | 1352 | 252 | 1288 | 188 | 16,20 | 67,20 |
| 2/5B | | 2 | 216 | | 1400 | 550 | 215 | 1352 | 502 | 1288 | 438 | 23,60 | 77,80 |
| 3/5B | | 3 | 324 | | 1400 | 800 | 215 | 1352 | 752 | 1288 | 688 | 30,40 | 118,10 |
| 4/5B | | 4 | 432 | | 1400 | 1050 | 215 | 1352 | 1002 | 1288 | 938 | 36,40 | 156,00 |
| 5/5B | | 5 | 540 | | 1400 | 1300 | 215 | 1352 | 1252 | 1288 | 1188 | 45,20 | 205,60 |

> Dimensions in mm

Quick product references

Overall dimensions

B wall-mounting cabinets IP43



| Type | B wall-mounting cabinet | OH | PW | GU | Door on the left-hand side* | | Window on the left-hand side | Window on the right-hand side |
|--------|-------------------------|----|----|----|-----------------------------|--------------|------------------------------|-------------------------------|
| | | | | | H x W | H x W | HW x WW(L) | HW x WW(R) |
| TTS100 | 1/00B | 00 | 1 | 3 | - | 471.4 x 272 | - | 341.4 x 128 |
| TTS200 | 2/00B | | 2 | | - | 471.4 x 522 | - | 341.4 x 378 |
| TTS300 | 3/00B | | 3 | | 471.4 x 260 | 471.4 x 510 | 341.4 x 116 | 341.4 x 366 |
| TTS400 | - | | 4 | | 471.4 x 510 | 471.4 x 510 | 341.4 x 366 | 341.4 x 366 |
| TTS500 | - | | 5 | | 471.4 x 510 | 471.4 x 760 | 341.4 x 366 | 341.4 x 616 |
| TTS10 | 1/0B | 0 | 1 | 4 | - | 621.4 x 272 | - | 491.4 x 128 |
| TTS20 | 2/0B | | 2 | | - | 621.4 x 522 | - | 491.4 x 378 |
| TTS30 | 3/0B | | 3 | | 621.4 x 260 | 621.4 x 510 | 491.4 x 116 | 491.4 x 366 |
| TTS40 | 4/0B | | 4 | | 621.4 x 510 | 621.4 x 510 | 491.4 x 366 | 491.4 x 366 |
| TTS50 | 5/0B | | 5 | | 621.4 x 510 | 621.4 x 760 | 491.4 x 366 | 491.4 x 616 |
| TTS11 | 1/1B | 1 | 1 | 5 | - | 771.4 x 272 | - | 641.4 x 128 |
| TTS21 | 2/1B | | 2 | | - | 771.4 x 522 | - | 641.4 x 378 |
| TTS31 | 3/1B | | 3 | | 771.4 x 260 | 771.4 x 510 | 641.4 x 116 | 641.4 x 366 |
| TTS41 | 4/1B | | 4 | | 771.4 x 510 | 771.4 x 510 | 641.4 x 366 | 641.4 x 366 |
| TTS51 | 5/1B | | 5 | | 771.4 x 510 | 771.4 x 760 | 641.4 x 366 | 641.4 x 616 |
| TTS12 | 1/2B | 2 | 1 | 6 | - | 921.4 x 272 | - | 791.4 x 128 |
| TTS22 | 2/2B | | 2 | | - | 921.4 x 522 | - | 791.4 x 378 |
| TTS32 | 3/2B | | 3 | | 921.4 x 260 | 921.4 x 510 | 791.4 x 116 | 791.4 x 366 |
| TTS42 | 4/2B | | 4 | | 921.4 x 510 | 921.4 x 510 | 791.4 x 366 | 791.4 x 366 |
| TTS52 | 5/2B | | 5 | | 921.4 x 510 | 921.4 x 760 | 791.4 x 366 | 791.4 x 616 |
| TTS13 | 1/3B | 3 | 1 | 7 | - | 1071.4 x 272 | - | 941.4 x 128 |
| TTS23 | 2/3B | | 2 | | - | 1071.4 x 522 | - | 941.4 x 378 |
| TTS33 | 3/3B | | 3 | | 1071.4 x 260 | 1071.4 x 510 | 941.4 x 116 | 941.4 x 366 |
| TTS43 | 4/3B | | 4 | | 1071.4 x 510 | 1071.4 x 510 | 941.4 x 366 | 941.4 x 366 |
| TTS53 | 5/3B | | 5 | | 1071.4 x 510 | 1071.4 x 760 | 941.4 x 366 | 941.4 x 616 |
| TTS14 | 1/4B | 4 | 1 | 8 | - | 1221.4 x 272 | - | 1091.4 x 128 |
| TTS24 | 2/4B | | 2 | | - | 1221.4 x 522 | - | 1091.4 x 378 |
| TTS34 | 3/4B | | 3 | | 1221.4 x 260 | 1221.4 x 510 | 1091.4 x 116 | 1091.4 x 366 |
| TTS44 | 4/4B | | 4 | | 1221.4 x 510 | 1221.4 x 510 | 1091.4 x 366 | 1091.4 x 366 |
| TTS54 | 5/4B | | 5 | | 1221.4 x 510 | 1221.4 x 760 | 1091.4 x 366 | 1091.4 x 616 |
| TTS15 | 1/5B | 5 | 1 | 9 | - | 1371.4 x 272 | - | 1241.4 x 128 |
| TTS25 | 2/5B | | 2 | | - | 1371.4 x 522 | - | 1241.4 x 378 |
| TTS35 | 3/5B | | 3 | | 1371.4 x 260 | 1371.4 x 510 | 1241.4 x 116 | 1241.4 x 366 |
| TTS45 | 4/5B | | 4 | | 1371.4 x 510 | 1371.4 x 510 | 1241.4 x 366 | 1241.4 x 366 |
| TTS55 | 5/5B | | 5 | | 1371.4 x 510 | 1371.4 x 760 | 1241.4 x 366 | 1241.4 x 616 |

> Dimensions in mm

*Double-wing doors on cabinets with three or more panel widths

Quick product references

Overall dimensions

H and HS floor-standing cabinets IP43

HS floor-standing cabinets

With mounted EDF installation set for installing distribution board panels, combination sets and modules on the EDF mounting frame, using the ZB15 assembly set, it is also possible to incorporate meter panels.

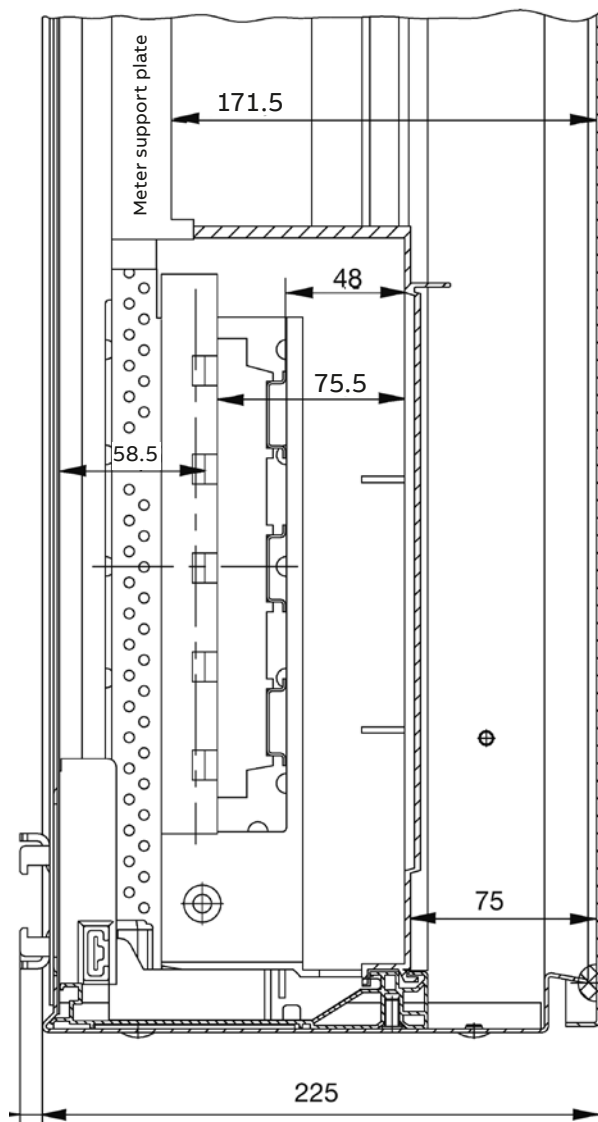
H floor-standing cabinets

With mounted EDF installation set for installing distribution board panels, combination sets and modules on the EDF mounting frame.

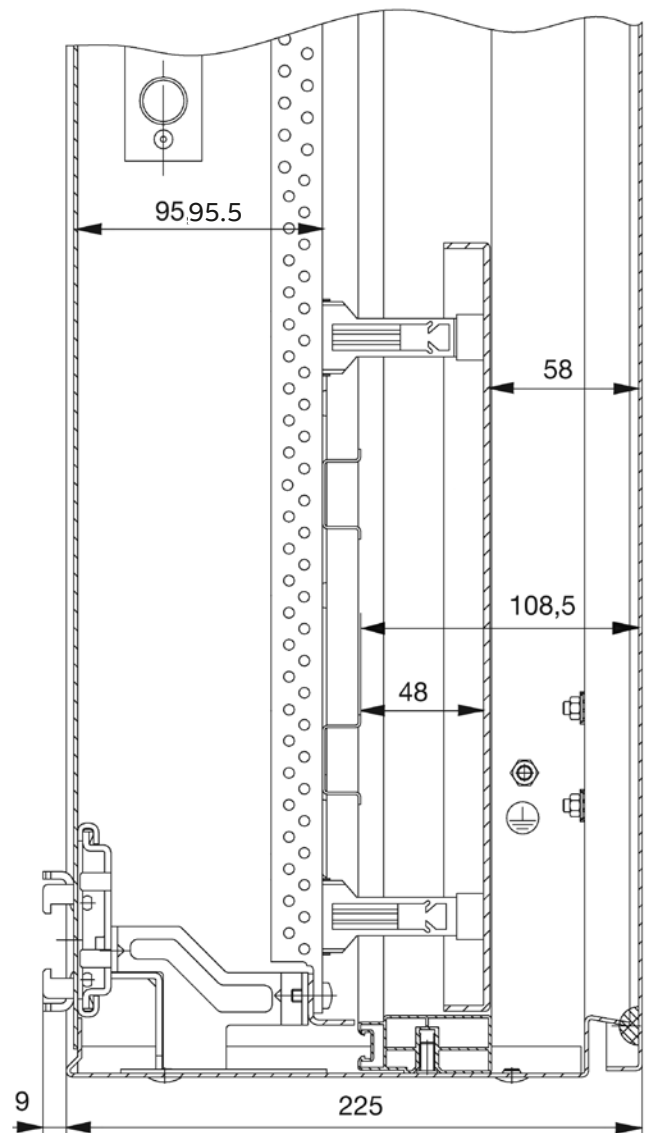
| Type | Weight (kg) with plinth | Power loss (W) $\Delta t_{1,0}$ 20K | Ext. dimensions with plinth H x W x D | Int. dimensions H1 x W1 |
|-------|-------------------------|-------------------------------------|---------------------------------------|-------------------------|
| 1/8HS | 30.33 | 67,40 | 1900 x 300 x 225 | 1802 x 252 |
| 2/8HS | 44.62 | 119,20 | 1900 x 550 x 225 | 1802 x 502 |
| 3/8HS | 57.20 | 170,90 | 1900 x 800 x 225 | 1802 x 752 |
| 4/8HS | 73.41 | 206,80 | 1900 x 1050 x 225 | 1802 x 1002 |
| 1/8H | 29.63 | 67,40 | 1900 x 300 x 225 | 1802 x 252 |
| 2/8H | 43.88 | 119,20 | 1900 x 550 x 225 | 1802 x 502 |
| 3/8H | 56.06 | 170,90 | 1900 x 800 x 225 | 1802 x 752 |
| 4/8H | 70.83 | 206,80 | 1900 x 1050 x 225 | 1802 x 1002 |

> Dimensions in mm

Cross section, HS cabinet with meter panel



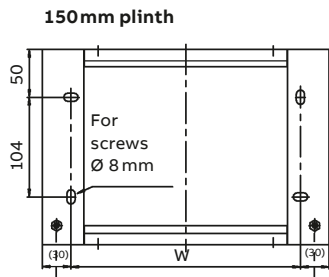
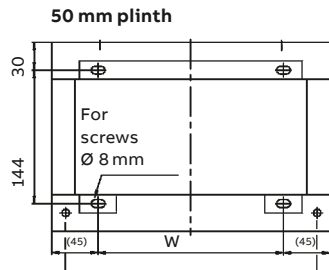
Cross section H-cabinet with distribution board panels/modules on the EDF mounting frame



Quick product references

Overall dimensions

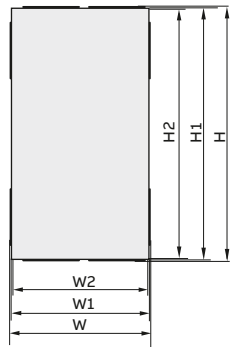
H and HS floor-standing cabinets IP43 Plinth dimensions



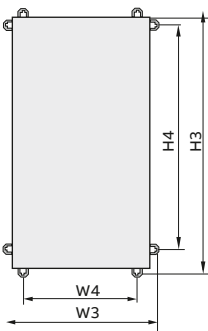
| | Type | Fixing the plinth on the cabinet A in mm | Fixing the plinth on the floor B in mm |
|--|------|---|---|
| Hole spacing for fixing the plinth on the floor Plinth, height 50mm | GSR1 | 270mm | 210mm |
| | GSR2 | 520mm | 460mm |
| | GSR3 | 770mm | 710mm |
| | GSR4 | 1020mm | 960mm |
| Hole spacing for fixing the plinth on the floor Plinth, height 150mm | GRG1 | 270mm | 240mm |
| | GRG2 | 520mm | 490mm |
| | GRG3 | 770mm | 740mm |
| | GRG4 | 1020mm | 990mm |

TwinLine-G, cabinet depth 225 mm,

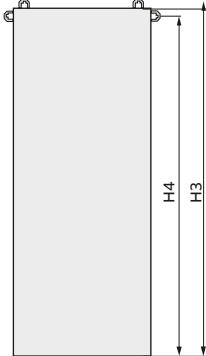
**Front view
Wall-mounting and
floor-standing cabinet
External/internal dimensions**



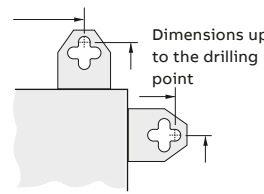
**Front view
Wall-mounting cabinet
Wall fastening dimensions**



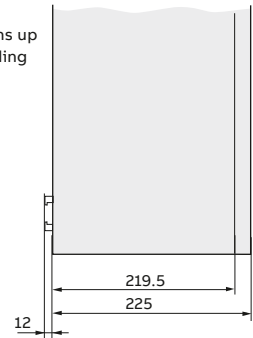
**Front view
Floor-standing cabinet
Wall fastening dimensions**



**Front view
External fastening
Detail**



**Side view
With/without
door**



| Height | | | Width | Type | External dimensions in mm | | Internal dimensions in mm | | External dimensions with flange knockout in mm | | Wall fastening dimensions in mm | | | |
|---|----|----|-------|------|---------------------------|------|---------------------------|------|--|--------|---------------------------------|------|------|----|
| GU | OH | PW | | | H1 | W1 | H2 | W2 | H | W | H3 | W3 | H4 | W4 |
| TwinLine-G wall-mounting cabinets $\frac{1}{2}$ \square | | | | | | | | | | | | | | |
| 4 | 0 | 1 | TG104 | 650 | 300 | 602 | 252 | 654 | 304 | 693.5 | 328 | 542 | 192 | |
| | | 2 | TG204 | 650 | 550 | 602 | 502 | 654 | 554 | 693.5 | 578 | 542 | 442 | |
| | | 3 | TG304 | 650 | 800 | 602 | 752 | 654 | 804 | 693.5 | 828 | 542 | 692 | |
| | | 4 | TG404 | 650 | 1050 | 602 | 1002 | 654 | 1054 | 693.5 | 1078 | 542 | 942 | |
| | | 5 | TG504 | 650 | 1300 | 602 | 1252 | 654 | 1304 | 693.5 | 1328 | 542 | 1192 | |
| 5 | 1 | 1 | TG105 | 800 | 300 | 752 | 252 | 804 | 304 | 843.5 | 328 | 692 | 192 | |
| | | 2 | TG205 | 800 | 550 | 752 | 502 | 804 | 554 | 843.5 | 578 | 692 | 442 | |
| | | 3 | TG305 | 800 | 800 | 752 | 752 | 804 | 804 | 843.5 | 828 | 692 | 692 | |
| | | 4 | TG405 | 800 | 1050 | 752 | 1002 | 804 | 1054 | 843.5 | 1078 | 692 | 942 | |
| | | 5 | TG505 | 800 | 1300 | 752 | 1252 | 804 | 1304 | 843.5 | 1328 | 692 | 1192 | |
| 6 | 2 | 1 | TG106 | 950 | 300 | 902 | 252 | 954 | 304 | 993.5 | 328 | 842 | 192 | |
| | | 2 | TG206 | 950 | 550 | 902 | 502 | 954 | 554 | 993.5 | 578 | 842 | 442 | |
| | | 3 | TG306 | 950 | 800 | 902 | 752 | 954 | 804 | 993.5 | 828 | 842 | 692 | |
| | | 4 | TG406 | 950 | 1050 | 902 | 1002 | 954 | 1054 | 993.5 | 1078 | 842 | 942 | |
| | | 5 | TG506 | 950 | 1300 | 902 | 1252 | 954 | 1304 | 993.5 | 1328 | 842 | 1192 | |
| 7 | 3 | 1 | TG107 | 1100 | 300 | 1052 | 252 | 1104 | 304 | 1143.5 | 328 | 992 | 192 | |
| | | 2 | TG207 | 1100 | 550 | 1052 | 502 | 1104 | 554 | 1143.5 | 578 | 992 | 442 | |
| | | 3 | TG307 | 1100 | 800 | 1052 | 752 | 1104 | 804 | 1143.5 | 828 | 992 | 692 | |
| | | 4 | TG407 | 1100 | 1050 | 1052 | 1002 | 1104 | 1054 | 1143.5 | 1078 | 992 | 942 | |
| | | 5 | TG507 | 1100 | 1300 | 1052 | 1252 | 1104 | 1304 | 1143.5 | 1328 | 992 | 1192 | |
| 8 | 4 | 1 | TG108 | 1250 | 300 | 1202 | 252 | 1254 | 304 | 1293.5 | 328 | 1142 | 192 | |
| | | 2 | TG208 | 1250 | 550 | 1202 | 502 | 1254 | 554 | 1293.5 | 578 | 1142 | 442 | |
| | | 3 | TG308 | 1250 | 800 | 1202 | 752 | 1254 | 804 | 1293.5 | 828 | 1142 | 692 | |
| | | 4 | TG408 | 1250 | 1050 | 1202 | 1002 | 1254 | 1054 | 1293.5 | 1078 | 1142 | 942 | |
| | | 5 | TG508 | 1250 | 1300 | 1202 | 1252 | 1254 | 1304 | 1293.5 | 1328 | 1142 | 1192 | |
| 9 | 5 | 1 | TG109 | 1400 | 300 | 1352 | 252 | 1404 | 304 | 1443.5 | 328 | 1292 | 192 | |
| | | 2 | TG209 | 1400 | 550 | 1352 | 502 | 1404 | 554 | 1443.5 | 578 | 1292 | 442 | |
| | | 3 | TG309 | 1400 | 800 | 1352 | 752 | 1404 | 804 | 1443.5 | 828 | 1292 | 692 | |
| | | 4 | TG409 | 1400 | 1050 | 1352 | 1002 | 1404 | 1054 | 1443.5 | 1078 | 1292 | 942 | |
| | | 5 | TG509 | 1400 | 1300 | 1352 | 1252 | 1404 | 1304 | 1443.5 | 1328 | 1292 | 1192 | |
| TwinLine-G floor-standing cabinets $\frac{1}{2}$ \square | | | | | | | | | | | | | | |
| 12 | 8 | 1 | TG112 | 1850 | 300 | 1802 | 252 | 1854 | 304 | 1872 | 328 | 1796 | 192 | |
| | | 2 | TG212 | 1850 | 550 | 1802 | 502 | 1854 | 554 | 1872 | 578 | 1796 | 442 | |
| | | 3 | TG312 | 1850 | 800 | 1802 | 752 | 1854 | 804 | 1872 | 828 | 1796 | 692 | |
| | | 4 | TG412 | 1850 | 1050 | 1802 | 1002 | 1854 | 1054 | 1872 | 1078 | 1796 | 942 | |
| | | 5 | TG512 | 1850 | 1300 | 1802 | 1252 | 1854 | 1304 | 1872 | 1328 | 1796 | 1192 | |

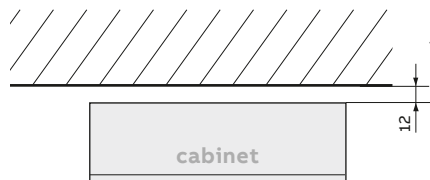
> Dimensions in mm

Quick product references

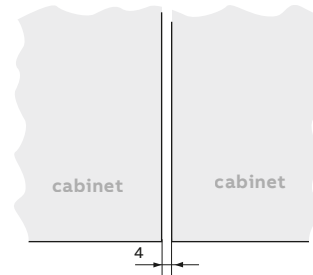
Overall dimensions

TwinLine-G, cabinet depth 225 mm, ..

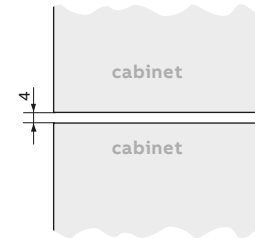
Type of installation
Cabinet to the wall



Type of installation
Cabinet combination
in series



Type of installation
Cabinet combination
on top of each other

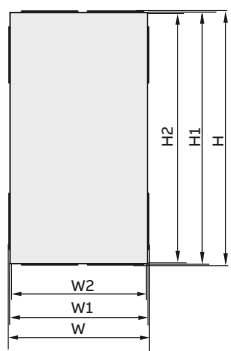


| Height | | Width | | ±/▣ Power loss in Watt* $\Delta t_{1,0}$ 20K | ± Cabinet weight in kg | | ▣ Cabinet weight in kg | | max. installation weight in kg |
|---|----|-------|-------|---|------------------------|--------------|------------------------|--------------|-----------------------------------|
| GU | OH | PW | Type | | With door | Without door | With door | Without door | |
| TwinLine-G wall-mounting cabinets ±/▣ | | | | | | | | | |
| 4 | 0 | 1 | TG104 | 35.80 | 11.40 | 7.43 | 12.89 | 8.92 | 15.00 |
| | | 2 | TG204 | 57.00 | 16.17 | 9.95 | 17.80 | 11.59 | 30.00 |
| | | 3 | TG304 | 61.00 | 21.02 | 12.47 | 22.80 | 14.25 | 45.00 |
| | | 4 | TG404 | 82.30 | 28.03 | 15.54 | 29.95 | 17.46 | 60.00 |
| | | 5 | TG504 | 107.80 | 32.86 | 18.07 | 34.92 | 20.13 | 75.00 |
| 5 | 1 | 1 | TG105 | 42.30 | 13.17 | 8.40 | 14.86 | 10.10 | 20.50 |
| | | 2 | TG205 | 66.10 | 18.72 | 11.22 | 20.60 | 13.11 | 41.00 |
| | | 3 | TG305 | 71.00 | 24.29 | 14.03 | 26.37 | 16.11 | 61.50 |
| | | 4 | TG405 | 99.00 | 32.45 | 17.40 | 34.71 | 19.67 | 82.50 |
| | | 5 | TG505 | 131.20 | 38.03 | 20.22 | 40.49 | 22.68 | 103.00 |
| 6 | 2 | 1 | TG106 | 48.80 | 14.89 | 9.37 | 16.78 | 11.26 | 26.00 |
| | | 2 | TG206 | 52.60 | 21.23 | 12.43 | 23.36 | 14.61 | 52.50 |
| | | 3 | TG306 | 80.90 | 27.55 | 15.59 | 29.92 | 17.37 | 78.50 |
| | | 4 | TG406 | 115.10 | 36.84 | 19.25 | 39.46 | 21.86 | 105.00 |
| | | 5 | TG506 | 153.70 | 43.18 | 22.36 | 46.03 | 25.09 | 131.00 |
| 7 | 3 | 1 | TG107 | 55.40 | 17.14 | 10.72 | 19.23 | 12.81 | 31.50 |
| | | 2 | TG207 | 61.40 | 24.36 | 14.25 | 26.74 | 16.64 | 63.50 |
| | | 3 | TG307 | 93.50 | 31.56 | 17.79 | 34.23 | 20.46 | 95.50 |
| | | 4 | TG407 | 133.70 | 42.23 | 21.87 | 45.19 | 24.83 | 127.50 |
| | | 5 | TG507 | 174.30 | 49.44 | 25.41 | 52.69 | 28.66 | 159.00 |
| 8 | 4 | 1 | TG108 | 61.80 | 18.90 | 11.68 | 21.20 | 13.98 | 37.50 |
| | | 2 | TG208 | 69.30 | 26.87 | 15.51 | 29.50 | 18.15 | 75.00 |
| | | 3 | TG308 | 102.90 | 34.82 | 19.34 | 37.80 | 22.31 | 112.50 |
| | | 4 | TG408 | 150.30 | 46.64 | 23.72 | 50.01 | 27.10 | 150.00 |
| | | 5 | TG508 | 193.30 | 54.59 | 27.55 | 58.31 | 31.27 | 187.50 |
| 9 | 5 | 1 | TG109 | 68.20 | 20.66 | 12.65 | 23.15 | 15.14 | 43.00 |
| | | 2 | TG209 | 79.10 | 29.38 | 16.77 | 32.23 | 19.65 | 86.00 |
| | | 3 | TG309 | 119.30 | 38.08 | 20.89 | 41.35 | 24.16 | 129.00 |
| | | 4 | TG409 | 157.50 | 51.04 | 25.57 | 54.77 | 29.31 | 172.50 |
| | | 5 | TG509 | 208.80 | 59.74 | 29.69 | 63.87 | 33.82 | 215.50 |
| TwinLine-G floor-standing cabinets ±/▣ | | | | | | | | | |
| 12 | 8 | 1 | TG112 | 64.00 | 26.17 | 15.78 | 28.89 | 18.50 | 60.00 |
| | | 2 | TG212 | 113.00 | 40.22 | 23.81 | 43.73 | 27.31 | 120.00 |
| | | 3 | TG312 | 162.60 | 51.87 | 29.54 | 56.17 | 33.84 | 180.00 |
| | | 4 | TG412 | 202.10 | 69.40 | 36.27 | 74.59 | 41.46 | 240.00 |
| | | 5 | TG512 | 230.80 | 80.19 | 41.11 | 86.17 | 47.09 | 300.00 |

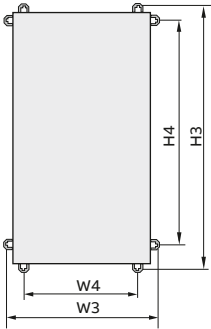
* General remarks on the determination of the power loss: Values according to DIN EN 61439-1 section 10.10.4.2.2; ambient temperature 35°C, internal temperature 55°C, the allowed device temperature must not be exceeded, levelling of the place of installation ≤ 2000 m altitude; internal form of separation = 1; side walls not covered

TwinLine-L, cabinet depth 275 mm,

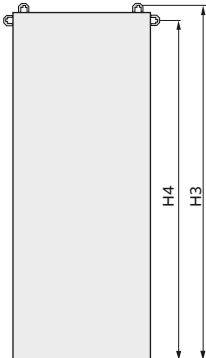
Front view
Wall-mounting and floor-standing cabinet
External/internal dimensions



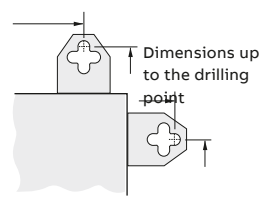
Front view
Wall-mounting cabinet
Wall fastening dimensions



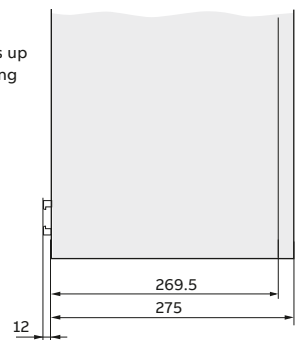
Front view
Floor-standing cabinet
Wall fastening dimensions



Front view
External fastening
Detail



Side view
With/without door



| Height | | Width | | External dimensions in mm | | Internal dimensions in mm | | External dimensions with flange knockout in mm | | Wall fastening dimensions in mm | | | |
|---|----|-------|-------|---------------------------|------|---------------------------|------|--|------|---------------------------------|------|------|------|
| GU | OH | PW | Type | H1 | W1 | H2 | W2 | H | W | H3 | W3 | H4 | W4 |
| TwinLine-L wall-mounting cabinets $\frac{1}{2}$ \square | | | | | | | | | | | | | |
| 4 | 0 | 1 | TL104 | 650 | 300 | 602 | 252 | 654 | 304 | 693.5 | 328 | 542 | 192 |
| | | 2 | TL204 | 650 | 550 | 602 | 502 | 654 | 554 | 693.5 | 578 | 542 | 442 |
| | | 3 | TL304 | 650 | 800 | 602 | 752 | 654 | 804 | 693.5 | 828 | 542 | 692 |
| | | 4 | TL404 | 650 | 1050 | 602 | 1002 | 654 | 1054 | 693.5 | 1078 | 542 | 942 |
| | | 5 | TL504 | 650 | 1300 | 602 | 1252 | 654 | 1304 | 693.5 | 1328 | 542 | 1192 |
| 5 | 1 | 1 | TL105 | 800 | 300 | 752 | 252 | 804 | 304 | 843.5 | 328 | 692 | 192 |
| | | 2 | TL205 | 800 | 550 | 752 | 502 | 804 | 554 | 843.5 | 578 | 692 | 442 |
| | | 3 | TL305 | 800 | 800 | 752 | 752 | 804 | 804 | 843.5 | 828 | 692 | 692 |
| | | 4 | TL405 | 800 | 1050 | 752 | 1002 | 804 | 1054 | 843.5 | 1078 | 692 | 942 |
| | | 5 | TL505 | 800 | 1300 | 752 | 1252 | 804 | 1304 | 843.5 | 1328 | 692 | 1192 |
| 6 | 2 | 1 | TL106 | 950 | 300 | 902 | 252 | 954 | 304 | 993.5 | 328 | 842 | 192 |
| | | 2 | TL206 | 950 | 550 | 902 | 502 | 954 | 554 | 993.5 | 578 | 842 | 442 |
| | | 3 | TL306 | 950 | 800 | 902 | 752 | 954 | 804 | 993.5 | 828 | 842 | 692 |
| | | 4 | TL406 | 950 | 1050 | 902 | 1002 | 954 | 1054 | 993.5 | 1078 | 842 | 942 |
| | | 5 | TL506 | 950 | 1300 | 902 | 1252 | 954 | 1304 | 993.5 | 1328 | 842 | 1192 |
| 7 | 3 | 1 | TL107 | 1100 | 300 | 1052 | 252 | 1104 | 304 | 1143.5 | 328 | 992 | 192 |
| | | 2 | TL207 | 1100 | 550 | 1052 | 502 | 1104 | 554 | 1143.5 | 578 | 992 | 442 |
| | | 3 | TL307 | 1100 | 800 | 1052 | 752 | 1104 | 804 | 1143.5 | 828 | 992 | 692 |
| | | 4 | TL407 | 1100 | 1050 | 1052 | 1002 | 1104 | 1054 | 1143.5 | 1078 | 992 | 942 |
| | | 5 | TL507 | 1100 | 1300 | 1052 | 1252 | 1104 | 1304 | 1143.5 | 1328 | 992 | 1192 |
| 8 | 4 | 1 | TL108 | 1250 | 300 | 1202 | 252 | 1254 | 304 | 1293.5 | 328 | 1142 | 192 |
| | | 2 | TL208 | 1250 | 550 | 1202 | 502 | 1254 | 554 | 1293.5 | 578 | 1142 | 442 |
| | | 3 | TL308 | 1250 | 800 | 1202 | 752 | 1254 | 804 | 1293.5 | 828 | 1142 | 692 |
| | | 4 | TL408 | 1250 | 1050 | 1202 | 1002 | 1254 | 1054 | 1293.5 | 1078 | 1142 | 942 |
| | | 5 | TL508 | 1250 | 1300 | 1202 | 1252 | 1254 | 1304 | 1293.5 | 1328 | 1142 | 1192 |
| 9 | 5 | 1 | TL109 | 1400 | 300 | 1352 | 252 | 1404 | 304 | 1443.5 | 328 | 1292 | 192 |
| | | 2 | TL209 | 1400 | 550 | 1352 | 502 | 1404 | 554 | 1443.5 | 578 | 1292 | 442 |
| | | 3 | TL309 | 1400 | 800 | 1352 | 752 | 1404 | 804 | 1443.5 | 828 | 1292 | 692 |
| | | 4 | TL409 | 1400 | 1050 | 1352 | 1002 | 1404 | 1054 | 1443.5 | 1078 | 1292 | 942 |
| | | 5 | TL509 | 1400 | 1300 | 1352 | 1252 | 1404 | 1304 | 1443.5 | 1328 | 1292 | 1192 |
| TwinLine-L floor-standing cabinets $\frac{1}{2}$ \square | | | | | | | | | | | | | |
| 12 | 8 | 1 | TL112 | 1850 | 300 | 1802 | 252 | 1854 | 304 | 1872 | 328 | 1796 | 192 |
| | | 2 | TL212 | 1850 | 550 | 1802 | 502 | 1854 | 554 | 1872 | 578 | 1796 | 442 |
| | | 3 | TL312 | 1850 | 800 | 1802 | 752 | 1854 | 804 | 1872 | 828 | 1796 | 692 |
| | | 4 | TL412 | 1850 | 1050 | 1802 | 1002 | 1854 | 1054 | 1872 | 1078 | 1796 | 942 |
| | | 5 | TL512 | 1850 | 1300 | 1802 | 1252 | 1854 | 1304 | 1872 | 1328 | 1796 | 1192 |

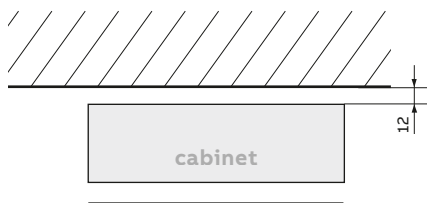
> Dimensions in mm

Quick product references

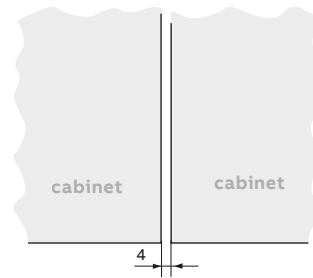
Overall dimensions

TwinLine-L, cabinet depth 275 mm .,

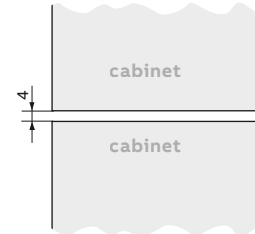
Type of installation
Cabinet to the wall



Type of installation
Cabinet combination
in series



Type of installation
Cabinet combination
on top of each other

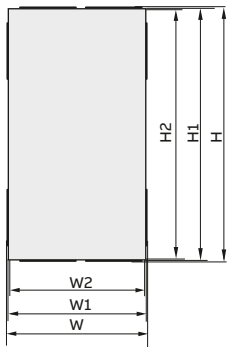


| Height | | Width | | Type | ≡/⊞ Power loss in Watt* Δt _{1,0} 20K | ≡ Cabinet weight in kg | | ⊞ Cabinet weight in kg | | max. installation weight in kg |
|--|----|-------|-----------|--------|--|------------------------|-----------|------------------------|--------|-----------------------------------|
| GU | OH | PW | With door | | | Without door | With door | Without door | | |
| TwinLine-L wall-mounting cabinets ≡⊞ | | | | | | | | | | |
| 4 | 0 | 1 | TL104 | 38.80 | 12.25 | 8.28 | 13.80 | 9.83 | 15.00 | |
| | | 2 | TL204 | 60.80 | 17.23 | 10.97 | 18.94 | 12.72 | 30.00 | |
| | | 3 | TL304 | 67.10 | 22.30 | 13.75 | 24.16 | 15.61 | 45.00 | |
| | | 4 | TL404 | 89.70 | 29.54 | 17.06 | 31.54 | 19.08 | 60.00 | |
| | | 5 | TL504 | 116.80 | 34.59 | 19.79 | 36.76 | 21.97 | 75.00 | |
| 5 | 1 | 1 | TL105 | 45.80 | 14.13 | 9.37 | 15.89 | 11.13 | 20.50 | |
| | | 2 | TL205 | 70.20 | 19.90 | 12.40 | 21.86 | 14.36 | 41.00 | |
| | | 3 | TL305 | 78.00 | 25.68 | 15.43 | 27.86 | 17.60 | 61.50 | |
| | | 4 | TL405 | 108.90 | 34.08 | 19.03 | 36.45 | 21.38 | 82.50 | |
| | | 5 | TL505 | 145.10 | 39.87 | 22.06 | 42.46 | 24.64 | 103.00 | |
| 6 | 2 | 1 | TL106 | 52.80 | 15.97 | 10.45 | 17.94 | 12.35 | 26.00 | |
| | | 2 | TL206 | 59.90 | 22.53 | 13.78 | 24.75 | 16.00 | 52.50 | |
| | | 3 | TL306 | 89.80 | 29.06 | 17.10 | 31.54 | 19.58 | 78.50 | |
| | | 4 | TL406 | 128.10 | 38.59 | 21.00 | 41.32 | 23.73 | 105.00 | |
| | | 5 | TL506 | 168.00 | 45.14 | 24.32 | 48.09 | 27.28 | 131.00 | |
| 7 | 3 | 1 | TL107 | 59.80 | 18.34 | 11.89 | 20.51 | 14.09 | 31.50 | |
| | | 2 | TL207 | 65.20 | 25.77 | 15.67 | 28.25 | 18.15 | 63.50 | |
| | | 3 | TL307 | 102.80 | 33.19 | 19.41 | 35.97 | 22.20 | 95.50 | |
| | | 4 | TL407 | 145.70 | 44.10 | 23.74 | 47.19 | 27.14 | 127.50 | |
| | | 5 | TL507 | 189.20 | 51.51 | 27.48 | 54.91 | 30.88 | 159.00 | |
| 8 | 4 | 1 | TL108 | 66.70 | 20.22 | 13.00 | 22.61 | 15.39 | 37.50 | |
| | | 2 | TL208 | 74.40 | 28.40 | 17.04 | 31.14 | 19.78 | 75.00 | |
| | | 3 | TL308 | 117.80 | 36.57 | 21.09 | 39.66 | 24.18 | 112.50 | |
| | | 4 | TL408 | 163.70 | 48.62 | 25.70 | 52.14 | 29.22 | 150.00 | |
| | | 5 | TL508 | 207.70 | 56.79 | 29.75 | 60.65 | 33.61 | 187.50 | |
| 9 | 5 | 1 | TL109 | 52.20 | 22.39 | 14.09 | 24.69 | 16.68 | 43.00 | |
| | | 2 | TL209 | 86.00 | 31.03 | 18.42 | 34.03 | 21.42 | 86.00 | |
| | | 3 | TL309 | 126.00 | 39.95 | 22.76 | 43.35 | 26.16 | 129.00 | |
| | | 4 | TL409 | 179.10 | 53.14 | 27.68 | 57.02 | 31.55 | 172.50 | |
| | | 5 | TL509 | 222.10 | 62.05 | 32.01 | 66.34 | 36.29 | 215.50 | |
| TwinLine-L floor-standing cabinets ≡⊞ | | | | | | | | | | |
| 12 | 8 | 1 | TL112 | 69.60 | 27.96 | 17.57 | 30.84 | 20.45 | 60.00 | |
| | | 2 | TL212 | 120.90 | 42.23 | 25.81 | 45.91 | 29.49 | 120.00 | |
| | | 3 | TL312 | 171.90 | 54.09 | 31.76 | 58.58 | 36.24 | 180.00 | |
| | | 4 | TL412 | 207.00 | 71.86 | 38.72 | 77.25 | 44.12 | 240.00 | |
| | | 5 | TL512 | 250.30 | 83.46 | 44.37 | 89.66 | 50.57 | 300.00 | |

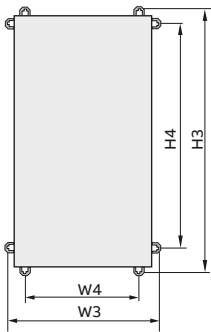
* General remarks on the determination of the power loss: Values according to DIN EN 61439-1, section 10.10.4.2.2; ambient temperature 35°C, internal temperature 55°C, the allowed device temperature must not be exceeded, levelling of the place of installation ≤ 2000 m altitude; internal form of separation = 1; side walls not covered

TwinLine-W, cabinet depth 350 mm,

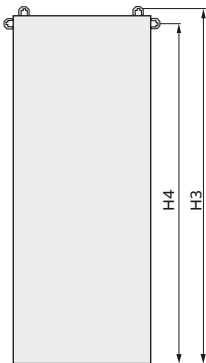
**Front view
Wall-mounting and
floor-standing cabinet
External/internal dimensions**



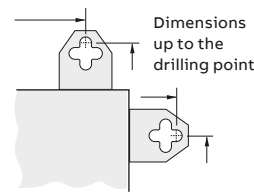
**Front view
Wall-mounting cabinet
Wall fastening dimensions**



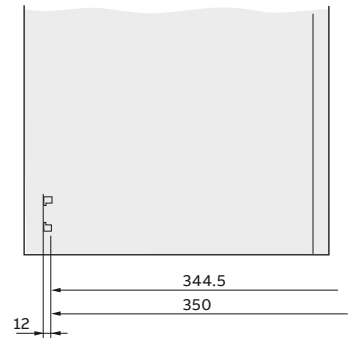
**Front view
Floor-standing cabinet
Wall fastening
dimensions**



**Front view
External fastening
Detail**



**Side view
With/without door**



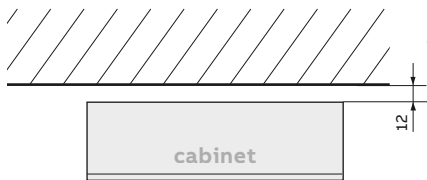
| Height | | Width | | External dimensions in mm | | Internal dimensions in mm | | External dimensions with flange knockout in mm | | Wall fastening dimensions in mm | | | |
|--|----|-------|-------|---------------------------|------|---------------------------|------|--|------|---------------------------------|------|------|------|
| GU | OH | PW | Type | H1 | W1 | H2 | W2 | H | W | H3 | W3 | H4 | W4 |
| TwinLine-W wall-mounting cabinets ±□ | | | | | | | | | | | | | |
| 4 | 0 | 1 | TW104 | 650 | 300 | 602 | 252 | 654 | 304 | 693.5 | 328 | 542 | 192 |
| | | 2 | TW204 | 650 | 550 | 602 | 502 | 654 | 554 | 693.5 | 578 | 542 | 442 |
| | | 3 | TW304 | 650 | 800 | 602 | 752 | 654 | 804 | 693.5 | 828 | 542 | 692 |
| | | 4 | TW404 | 650 | 1050 | 602 | 1002 | 654 | 1054 | 693.5 | 1078 | 542 | 942 |
| | | 5 | TW504 | 650 | 1300 | 602 | 1252 | 654 | 1304 | 693.5 | 1328 | 542 | 1192 |
| 5 | 1 | 1 | TW105 | 800 | 300 | 752 | 252 | 804 | 304 | 843.5 | 328 | 692 | 192 |
| | | 2 | TW205 | 800 | 550 | 752 | 502 | 804 | 554 | 843.5 | 578 | 692 | 442 |
| | | 3 | TW305 | 800 | 800 | 752 | 752 | 804 | 804 | 843.5 | 828 | 692 | 692 |
| | | 4 | TW405 | 800 | 1050 | 752 | 1002 | 804 | 1054 | 843.5 | 1078 | 692 | 942 |
| | | 5 | TW505 | 800 | 1300 | 752 | 1252 | 804 | 1304 | 843.5 | 1328 | 692 | 1192 |
| 6 | 2 | 1 | TW106 | 950 | 300 | 902 | 252 | 954 | 304 | 993.5 | 328 | 842 | 192 |
| | | 2 | TW206 | 950 | 550 | 902 | 502 | 954 | 554 | 993.5 | 578 | 842 | 442 |
| | | 3 | TW306 | 950 | 800 | 902 | 752 | 954 | 804 | 993.5 | 828 | 842 | 692 |
| | | 4 | TW406 | 950 | 1050 | 902 | 1002 | 954 | 1054 | 993.5 | 1078 | 842 | 942 |
| | | 5 | TW506 | 950 | 1300 | 902 | 1252 | 954 | 1304 | 993.5 | 1328 | 842 | 1192 |
| 7 | 3 | 1 | TW107 | 1100 | 300 | 1052 | 252 | 1104 | 304 | 1143.5 | 328 | 992 | 192 |
| | | 2 | TW207 | 1100 | 550 | 1052 | 502 | 1104 | 554 | 1143.5 | 578 | 992 | 442 |
| | | 3 | TW307 | 1100 | 800 | 1052 | 752 | 1104 | 804 | 1143.5 | 828 | 992 | 692 |
| | | 4 | TW407 | 1100 | 1050 | 1052 | 1002 | 1104 | 1054 | 1143.5 | 1078 | 992 | 942 |
| | | 5 | TW507 | 1100 | 1300 | 1052 | 1252 | 1104 | 1304 | 1143.5 | 1328 | 992 | 1192 |
| 8 | 4 | 1 | TW108 | 1250 | 300 | 1202 | 252 | 1254 | 304 | 1293.5 | 328 | 1142 | 192 |
| | | 2 | TW208 | 1250 | 550 | 1202 | 502 | 1254 | 554 | 1293.5 | 578 | 1142 | 442 |
| | | 3 | TW308 | 1250 | 800 | 1202 | 752 | 1254 | 804 | 1293.5 | 828 | 1142 | 692 |
| | | 4 | TW408 | 1250 | 1050 | 1202 | 1002 | 1254 | 1054 | 1293.5 | 1078 | 1142 | 942 |
| | | 5 | TW508 | 1250 | 1300 | 1202 | 1252 | 1254 | 1304 | 1293.5 | 1328 | 1142 | 1192 |
| 9 | 5 | 1 | TW109 | 1400 | 300 | 1352 | 252 | 1404 | 304 | 1443.5 | 328 | 1292 | 192 |
| | | 2 | TW209 | 1400 | 550 | 1352 | 502 | 1404 | 554 | 1443.5 | 578 | 1292 | 442 |
| | | 3 | TW309 | 1400 | 800 | 1352 | 752 | 1404 | 804 | 1443.5 | 828 | 1292 | 692 |
| | | 4 | TW409 | 1400 | 1050 | 1352 | 1002 | 1404 | 1054 | 1443.5 | 1078 | 1292 | 942 |
| | | 5 | TW509 | 1400 | 1300 | 1352 | 1252 | 1404 | 1304 | 1443.5 | 1328 | 1292 | 1192 |
| TwinLine-W floor-standing cabinets ±□ | | | | | | | | | | | | | |
| 12 | 8 | 1 | TW112 | 1850 | 300 | 1802 | 252 | 1854 | 304 | 1872 | 328 | 1796 | 192 |
| | | 2 | TW212 | 1850 | 550 | 1802 | 502 | 1854 | 554 | 1872 | 578 | 1796 | 442 |
| | | 3 | TW312 | 1850 | 800 | 1802 | 752 | 1854 | 804 | 1872 | 828 | 1796 | 692 |
| | | 4 | TW412 | 1850 | 1050 | 1802 | 1002 | 1854 | 1054 | 1872 | 1078 | 1796 | 942 |
| | | 5 | TW512 | 1850 | 1300 | 1802 | 1252 | 1854 | 1304 | 1872 | 1328 | 1796 | 1192 |
| | | 6 | TW612 | 1850 | 1550 | 1802 | 1502 | 1854 | 1554 | 1872 | 1578 | 1796 | 1442 |

Quick product references

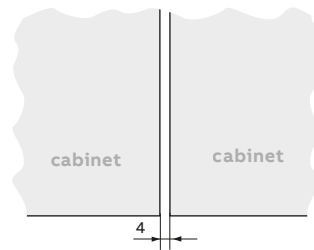
Overall dimensions

TwinLine-W, cabinet depth 350 mm

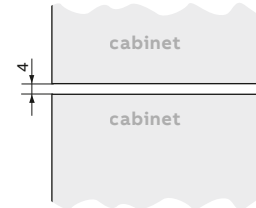
Type of installation
Cabinet to the wall



Type of installation
Cabinet combination
in series



Type of installation
Cabinet combination
on top of each other



| Height | | Width | | ±/▣ Power loss in Watt* Δt _{1,0} 20K | ± Cabinet weight in kg | | ▣ Cabinet weight in kg | | max. installation weight in kg |
|---|----|-------|-------|--|------------------------|--------------|------------------------|--------------|-----------------------------------|
| GU | OH | PW | Type | | With door | Without door | With door | Without door | |
| TwinLine-W wall-mounting cabinets ±/▣ | | | | | | | | | |
| 4 | 0 | 1 | TW104 | 43.00 | 13.50 | 9.47 | 15.13 | 11.16 | 15.00 |
| | | 2 | TW204 | 65.90 | 18.79 | 12.58 | 20.60 | 14.38 | 30.00 |
| | | 3 | TW304 | 75.90 | 24.17 | 15.62 | 26.16 | 17.61 | 45.00 |
| | | 4 | TW404 | 100.10 | 31.76 | 19.27 | 33.92 | 21.44 | 60.00 |
| | | 5 | TW504 | 129.30 | 37.12 | 22.32 | 39.46 | 24.66 | 75.00 |
| 5 | 1 | 1 | TW105 | 50.50 | 15.56 | 10.80 | 17.41 | 12.65 | 20.50 |
| | | 2 | TW205 | 59.80 | 21.64 | 14.14 | 23.72 | 16.21 | 41.00 |
| | | 3 | TW305 | 87.70 | 27.74 | 17.48 | 30.04 | 19.78 | 61.50 |
| | | 4 | TW405 | 121.30 | 36.47 | 21.42 | 39.00 | 23.95 | 82.50 |
| | | 5 | TW505 | 158.90 | 42.58 | 24.77 | 45.33 | 27.52 | 103.00 |
| 6 | 2 | 1 | TW106 | 58.20 | 17.58 | 12.06 | 19.65 | 14.13 | 26.00 |
| | | 2 | TW206 | 68.20 | 24.44 | 15.69 | 26.79 | 18.04 | 52.50 |
| | | 3 | TW306 | 102.80 | 31.29 | 19.33 | 33.91 | 21.95 | 78.50 |
| | | 4 | TW406 | 144.80 | 41.16 | 23.57 | 44.06 | 26.46 | 105.00 |
| | | 5 | TW506 | 185.80 | 48.02 | 27.20 | 51.19 | 30.07 | 131.00 |
| 7 | 3 | 1 | TW107 | 65.80 | 20.12 | 13.70 | 22.41 | 15.99 | 31.50 |
| | | 2 | TW207 | 75.70 | 27.87 | 17.76 | 30.48 | 20.38 | 63.50 |
| | | 3 | TW307 | 116.50 | 35.59 | 21.82 | 38.53 | 24.76 | 95.50 |
| | | 4 | TW407 | 163.60 | 46.84 | 26.48 | 50.11 | 29.75 | 127.50 |
| | | 5 | TW507 | 209.30 | 54.58 | 30.55 | 58.16 | 34.13 | 159.00 |
| 8 | 4 | 1 | TW108 | 52.00 | 22.18 | 14.96 | 24.81 | 17.48 | 37.50 |
| | | 2 | TW208 | 82.70 | 30.67 | 19.32 | 33.56 | 22.20 | 75.00 |
| | | 3 | TW308 | 132.60 | 39.15 | 23.67 | 42.42 | 26.93 | 112.50 |
| | | 4 | TW408 | 180.80 | 51.55 | 28.63 | 55.25 | 32.33 | 150.00 |
| | | 5 | TW508 | 227.50 | 60.03 | 32.98 | 64.10 | 37.06 | 187.50 |
| 9 | 5 | 1 | TW109 | 58.60 | 24.23 | 16.22 | 26.96 | 18.95 | 43.00 |
| | | 2 | TW209 | 93.90 | 33.48 | 20.87 | 36.63 | 24.03 | 86.00 |
| | | 3 | TW309 | 146.40 | 42.71 | 25.52 | 46.29 | 29.10 | 129.00 |
| | | 4 | TW409 | 197.10 | 56.24 | 30.77 | 60.32 | 34.85 | 172.50 |
| | | 5 | TW509 | 238.20 | 65.47 | 35.42 | 69.97 | 39.93 | 215.50 |
| TwinLine-W floor-standing cabinets ±/▣ | | | | | | | | | |
| 12 | 8 | 1 | TW112 | 78.90 | 30.62 | 20.24 | 33.72 | 23.33 | 60.00 |
| | | 2 | TW212 | 131.70 | 45.10 | 28.69 | 49.02 | 32.60 | 120.00 |
| | | 3 | TW312 | 181.50 | 57.38 | 35.05 | 62.12 | 39.79 | 180.00 |
| | | 4 | TW412 | 226.00 | 75.29 | 42.15 | 80.95 | 47.82 | 240.00 |
| | | 5 | TW512 | 269.40 | 87.20 | 48.12 | 93.70 | 54.61 | 300.00 |
| | | 6 | TW612 | 354.50 | 99.02 | 53.98 | 106.34 | 61.30 | 360.00 |

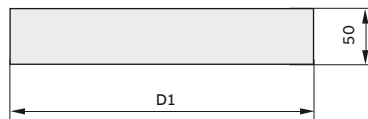
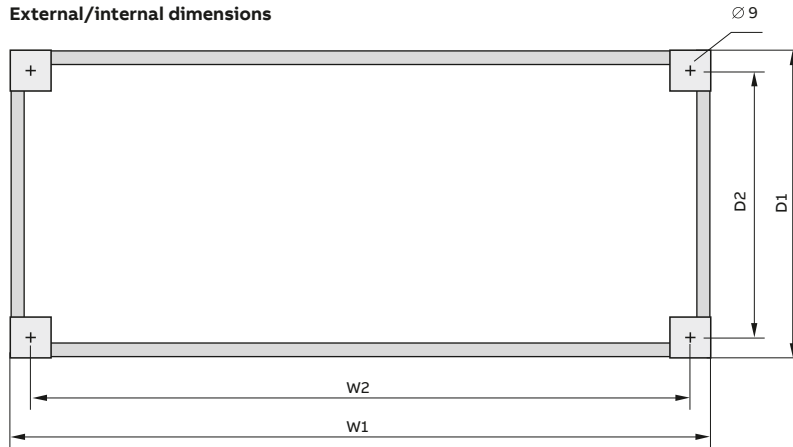
* General remarks on the determination of the power loss: Values according to DIN EN 61439-1, section 10.10.4.2.2; ambient temperature 35°C, internal temperature 55°C, the allowed device temperature must not be exceeded, levelling of the place of installation ≤ 2000 m altitude; internal form of separation = 1; side walls not covered

Quick product references

Overall dimensions

TwinLine plinth, height 50 mm

External/internal dimensions



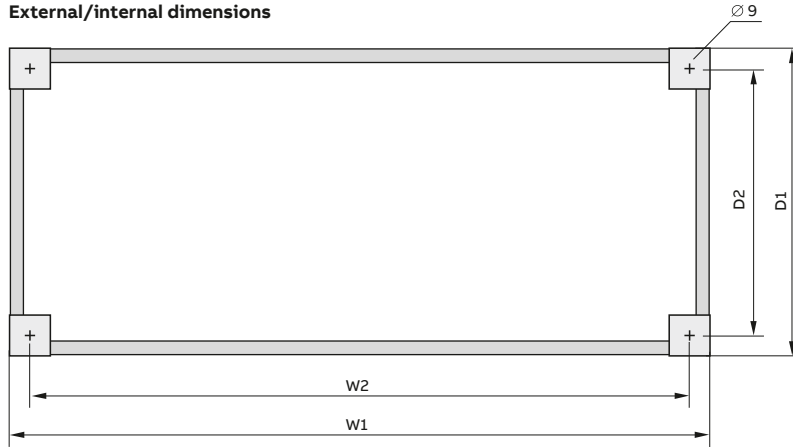
| Height mm | Depth mm | Width | | External dimensions Width x depth in mm | | Internal dimensions Width x depth in mm | | Weight in kg |
|---------------------------------|-------------|-------|--------|--|-------|--|-------|-----------------|
| | | PW | Type | W1 | D1 | W2 | D2 | |
| TwinLine-G, plinth 50 mm | | | | | | | | |
| 50 | 225 | 1 | TZG105 | 300 | 203.5 | 270 | 173.5 | 1.37 |
| | | 2 | TZG205 | 550 | 203.5 | 520 | 173.5 | 1.91 |
| | | 3 | TZG305 | 800 | 203.5 | 770 | 173.5 | 3.14 |
| | | 4 | TZG405 | 1050 | 203.5 | 1020 | 173.5 | 2.93 |
| | | 5 | TZG505 | 1300 | 203.5 | 1270 | 173.5 | 3.44 |
| TwinLine-L, plinth 50 mm | | | | | | | | |
| 50 | 275 | 1 | TZL105 | 300 | 253.5 | 270 | 223.5 | 1.49 |
| | | 2 | TZL205 | 550 | 253.5 | 520 | 223.5 | 2.03 |
| | | 3 | TZL305 | 800 | 253.5 | 770 | 223.5 | 2.54 |
| | | 4 | TZL405 | 1050 | 253.5 | 1020 | 223.5 | 3.34 |
| | | 5 | TZL505 | 1300 | 253.5 | 1270 | 223.5 | 5.78 |
| TwinLine-W, plinth 50 mm | | | | | | | | |
| 50 | 350 | 1 | TZW105 | 300 | 328.5 | 270 | 298.5 | 1.67 |
| | | 2 | TZW205 | 550 | 328.5 | 520 | 298.5 | 2.21 |
| | | 3 | TZW305 | 800 | 328.5 | 770 | 298.5 | 2.72 |
| | | 4 | TZW405 | 1050 | 328.5 | 1020 | 298.5 | 5.03 |
| | | 5 | TZW505 | 1300 | 328.5 | 1270 | 298.5 | 5.97 |
| | | 6 | TZW605 | 1550 | 328.5 | 1520 | 298.5 | 6.90 |

Quick product references

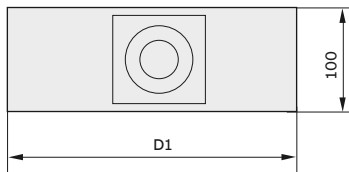
Overall dimensions

TwinLine plinth, height 100 mm

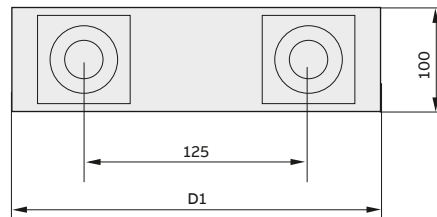
External/internal dimensions



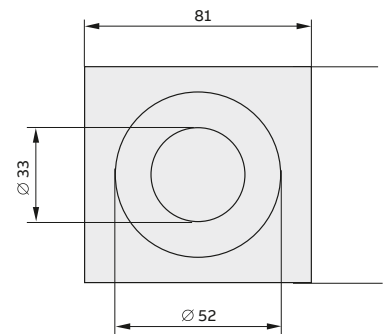
View side knockout TwinLine-G and -L



View side knockout TwinLine-W



Detail view for side knockout



| Height mm | Depth mm | Width | | External dimensions Width x depth in mm | | Internal dimensions Width x depth in mm | | Weight in kg |
|---------------------------------|-------------|-------|--------|--|-------|--|-------|-----------------|
| | | PW | Type | W1 | D1 | W2 | D2 | |
| TwinLine-G, plinth 100mm | | | | | | | | |
| 100 | 225 | 1 | TZG110 | 300 | 203.5 | 270 | 173.5 | 2.22 |
| | | 2 | TZG210 | 550 | 203.5 | 520 | 173.5 | 3.06 |
| | | 3 | TZG310 | 800 | 203.5 | 770 | 173.5 | 3.87 |
| | | 4 | TZG410 | 1050 | 203.5 | 1020 | 173.5 | 4.67 |
| | | 5 | TZG510 | 1300 | 204.5 | 1270 | 173.5 | 5.47 |
| TwinLine-L, plinth 100mm | | | | | | | | |
| 100 | 275 | 1 | TZL110 | 300 | 253.5 | 270 | 223.5 | 2.41 |
| | | 2 | TZL210 | 550 | 253.5 | 520 | 223.5 | 3.24 |
| | | 3 | TZL310 | 800 | 253.5 | 770 | 223.5 | 4.05 |
| | | 4 | TZL410 | 1050 | 253.5 | 1020 | 223.5 | 6.71 |
| | | 5 | TZL510 | 1300 | 254.5 | 1270 | 223.5 | 7.95 |
| TwinLine-W, plinth 100mm | | | | | | | | |
| 100 | 350 | 1 | TZW110 | 300 | 328.5 | 270 | 298.5 | 2.68 |
| | | 2 | TZW210 | 550 | 328.5 | 520 | 298.5 | 3.52 |
| | | 3 | TZW310 | 800 | 328.5 | 770 | 298.5 | 4.32 |
| | | 4 | TZW410 | 1050 | 328.5 | 1020 | 298.5 | 6.98 |
| | | 5 | TZW510 | 1300 | 329.5 | 1270 | 298.5 | 8.22 |
| | | 6 | TZW610 | 1550 | 329.5 | 1520 | 298.5 | 9.45 |

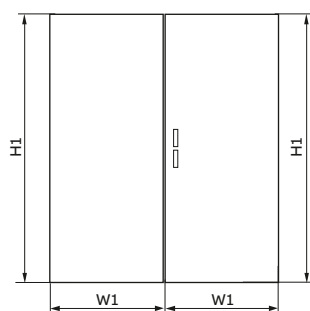
Quick product references

Overall dimensions

TwinLine doors, height 4 up to 7 GU

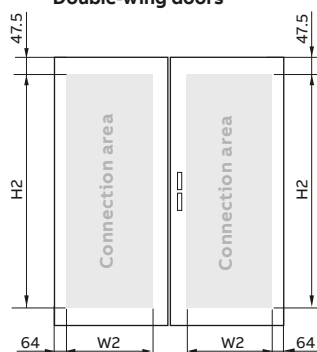
External dimensions

For all cabinets of a width of 4 panels and more
Double-wing doors



Usable connection area

For all cabinets of a width of 4 panels and more
Double-wing doors



| Height | | Width | | | External dimensions Height x width in mm | | External dimensions Height x width in mm | | Weight |
|---|---------|-------|---------|------------|---|--------|---|-----|--------|
| GU | OH | PW | Type | Remark | H1 | W1 | H2 | W2 | in kg |
| TwinLine wall-mounting cabinets, doors | | | | | | | | | |
| 4 | 0 | 1 | TZB104 | | 643 | 289 | 548 | 123 | 5.46 |
| | | 2 | TZB204 | | 643 | 539 | 548 | 373 | 7.75 |
| | | 3 | TZB304 | | 643 | 789 | 548 | 623 | 10.11 |
| | | 4*1 | TZB204L | Door left | 643 | 526 *2 | 548 | 373 | 7.77 |
| | | | TZB204R | Door right | 643 | 539 | 548 | 373 | 7.78 |
| | | 5*1 | TZB304L | Door left | 643 | 776 *2 | 548 | 623 | 10.11 |
| | | | TZB304R | Door right | 643 | 539 | 548 | 373 | 7.78 |
| | | 5 | 1 | 1 | TZB105 | | 793 | 289 | 698 |
| 2 | TZB205 | | | | 793 | 539 | 698 | 373 | 9.05 |
| 3 | TZB305 | | | | 793 | 789 | 698 | 623 | 11.85 |
| 4*1 | TZB205L | | | Door left | 793 | 526 *2 | 698 | 373 | 9.10 |
| | TZB205R | | | Door right | 793 | 539 | 698 | 373 | 9.05 |
| 5*1 | TZB305L | | | Door left | 793 | 776 *2 | 698 | 623 | 11.89 |
| | TZB305R | | | Door right | 793 | 539 | 698 | 373 | 9.05 |
| 6 | 2 | | | 1 | TZB106 | | 943 | 289 | 848 |
| | | 2 | TZB206 | | 943 | 539 | 848 | 373 | 10.32 |
| | | 3 | TZB306 | | 943 | 789 | 848 | 623 | 13.58 |
| | | 4*1 | TZB206L | Door left | 943 | 526 *2 | 848 | 373 | 10.41 |
| | | | TZB206R | Door right | 943 | 539 | 848 | 373 | 10.32 |
| | | 5*1 | TZB306L | Door left | 943 | 776 *2 | 848 | 623 | 13.68 |
| | | | TZB306R | Door right | 943 | 539 | 848 | 373 | 10.32 |
| | | 7 | 3 | 1 | TZB107 | | 1093 | 289 | 998 |
| 2 | TZB207 | | | | 1093 | 539 | 998 | 373 | 11.69 |
| 3 | TZB307 | | | | 1093 | 789 | 998 | 623 | 15.42 |
| 4*1 | TZB207L | | | Door left | 1093 | 526 *2 | 998 | 373 | 11.85 |
| | TZB207R | | | Door right | 1093 | 539 | 998 | 373 | 11.69 |
| 5*1 | TZB307L | | | Door left | 1093 | 776 *2 | 998 | 623 | 15.57 |
| | TZB307R | | | Door right | 1093 | 539 | 998 | 373 | 11.69 |

1 4 or more panels wide: double-wing doors

*2 Dimensions incl. central door bar

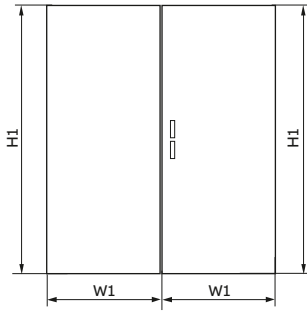
Quick product references

Overall dimensions

TwinLine doors, height 8 up to 12 GU

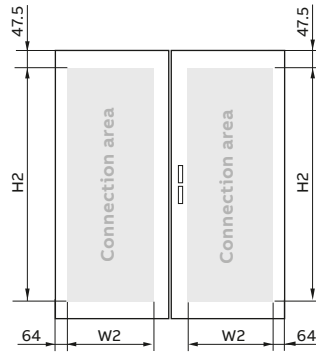
External dimensions

For all cabinets of a width of 4 panels and more
Double-wing doors



Usable connection area

For all cabinets of a width of 4 panels and more
Double-wing doors



| Height | | Width | | External dimensions | | External dimensions | | Weight | | |
|--|----|-------|---------|---------------------|----------------------|----------------------|--------|--------|-------|-------|
| GU | OH | PW | Type | Remark | Height x width in mm | Height x width in mm | in kg | | | |
| | | | | | | H1 | W1 | H2 | W2 | |
| TwinLine wall-mounting cabinets, doors | | | | | | | | | | |
| 8 | 4 | 1 | TZB108 | | 1243 | 289 | 1148 | 123 | 8.75 | |
| | | 2 | TZB208 | | 1243 | 539 | 1148 | 373 | 12.96 | |
| | | 3 | TZB308 | | 1243 | 789 | 1148 | 623 | 17.15 | |
| | 4* | | TZB208L | Door left | 1243 | 526 *2 | 1148 | 373 | 13.17 | |
| | | | TZB208R | Door right | 1243 | 539 | 1148 | 373 | 12.96 | |
| | 5* | | TZB308L | Door left | 1243 | 776 *2 | 1148 | 623 | 17.36 | |
| | | | TZB208R | Door right | 1243 | 539 | 1148 | 373 | 12.96 | |
| | 9 | 5 | 1 | TZB109 | | 1393 | 289 | 1298 | 123 | 9.55 |
| 2 | | | TZB209 | | 1393 | 539 | 1298 | 373 | 14.23 | |
| 3 | | | TZB309 | | 1393 | 789 | 1298 | 623 | 18.88 | |
| 4* | | | | TZB209L | Door left | 1393 | 526 *2 | 1298 | 373 | 14.49 |
| | | | | TZB209R | Door right | 1393 | 539 | 1298 | 373 | 14.23 |
| 5* | | | | TZB309L | Door left | 1393 | 776 *2 | 1298 | 623 | 19.14 |
| | | | | TZB209R | Door right | 1393 | 539 | 1298 | 373 | 14.23 |
| TwinLine floor-standing cabinets, doors | | | | | | | | | | |
| 12 | 8 | 1 | TZB112 | | 1843 | 289 | 1748 | 123 | 11.96 | |
| | | 2 | TZB212 | | 1843 | 539 | 1748 | 373 | 18.07 | |
| | | 3 | TZB312 | | 1843 | 789 | 1748 | 623 | 24.08 | |
| | | 4* | | TZB212L | Door left | 1843 | 526 *2 | 1748 | 373 | 18.45 |
| | | | | TZB212R | Door right | 1843 | 539 | 1748 | 373 | 18.03 |
| | | 5* | | TZB312L | Door left | 1843 | 776 *2 | 1748 | 623 | 24.49 |
| | | | | TZB212R | Door right | 1843 | 539 | 1748 | 373 | 18.03 |
| | | 6* | | TZB312L | Door left | 1843 | 776 *2 | 1748 | 623 | 24.49 |
| | | | | TZB312R | Door right | 1843 | 789 | 1748 | 623 | 24.08 |

*Double-wing doors for all cabinets of a width of 4 panels and more

*2 Dimensions incl. central door bar

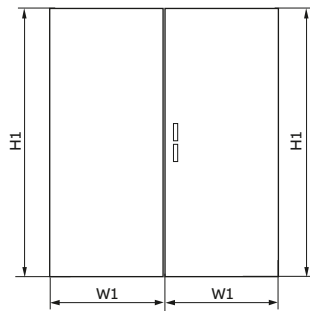
Quick product references

Overall dimensions

TwinLine Transparent doors, height 4 up to 7 GU

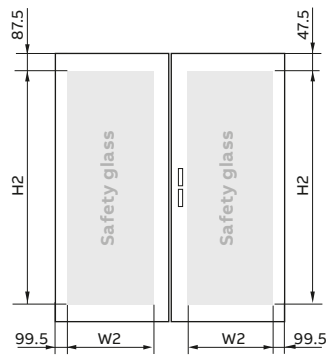
External dimensions

For all cabinets of a width of 4 panels and more
Double-wing doors



Dimensions of viewing area

For all cabinets of a width of 4 panels and more
Double-wing doors



| Height GU | Width OH | PW | Type | Remark | External dimensions Height x width in mm | | Viewing area Height x width in mm | | Weight in kg |
|---|-------------|-----------------|---------|------------|---|-------------------|--------------------------------------|-----|-----------------|
| | | | | | H1 | W1 | H2 | W2 | |
| TwinLine wall-mounting cabinets, doors | | | | | | | | | |
| 4 | 0 | 2 | TZT204 | | 643 | 539 | 468 | 340 | 6.40 |
| | | 3 | TZT304 | | 643 | 789 | 468 | 590 | 8.70 |
| | | 4 ^{*1} | TZT204L | Door left | 643 | 526 ^{*2} | 468 | 340 | 6.50 |
| | | | TZT204R | Door right | 643 | 539 | 468 | 340 | 6.50 |
| | | 5 ^{*1} | TZT304L | Door left | 643 | 776 ^{*2} | 468 | 590 | 8.40 |
| | | | TZT204R | Door right | 643 | 539 | 468 | 340 | 6.50 |
| 5 | 1 | 2 | TZT205 | | 793 | 539 | 618 | 340 | 7.60 |
| | | 3 | TZT305 | | 793 | 789 | 618 | 590 | 10.20 |
| | | 4 ^{*1} | TZT205L | Door left | 793 | 526 ^{*2} | 618 | 340 | 7.40 |
| | | | TZT205R | Door right | 793 | 539 | 618 | 340 | 7.50 |
| | | 5 ^{*1} | TZT305L | Door left | 793 | 776 ^{*2} | 618 | 590 | 9.90 |
| | | | TZT205R | Door right | 793 | 539 | 618 | 340 | 7.50 |
| 6 | 2 | 2 | TZT206 | | 943 | 539 | 768 | 340 | 8.70 |
| | | 3 | TZT306 | | 943 | 789 | 768 | 590 | 11.50 |
| | | 4 ^{*1} | TZT206L | Door left | 943 | 526 ^{*2} | 768 | 340 | 8.50 |
| | | | TZT206R | Door right | 943 | 539 | 768 | 340 | 8.60 |
| | | 5 ^{*1} | TZT306L | Door left | 943 | 776 ^{*2} | 768 | 590 | 11.40 |
| | | | TZT206R | Door right | 943 | 539 | 768 | 340 | 8.60 |
| 7 | 3 | 2 | TZT207 | | 1093 | 539 | 918 | 340 | 10.00 |
| | | 3 | TZT307 | | 1093 | 789 | 918 | 590 | 13.00 |
| | | 4 ^{*1} | TZT207L | Door left | 1093 | 526 ^{*2} | 918 | 340 | 9.70 |
| | | | TZT207R | Door right | 1093 | 539 | 918 | 340 | 9.80 |
| | | 5 ^{*1} | TZT307L | Door left | 1093 | 776 ^{*2} | 918 | 590 | 13.00 |
| | | | TZT207R | Door right | 1093 | 539 | 918 | 340 | 9.80 |

^{*1} 4 or more panels wide: double-wing doors

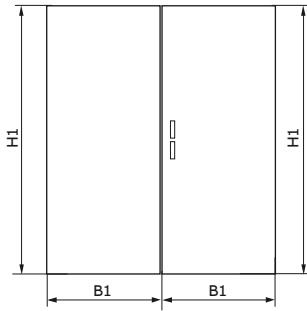
^{*2} Dimensions incl. central door bar

Quick product references

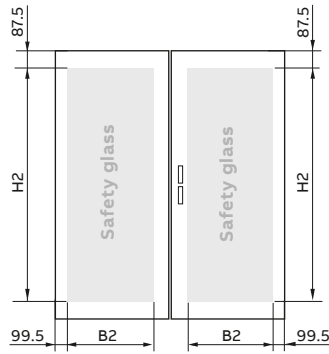
Overall dimensions

TwinLine Transparent doors, height 8 up to 12 GU

External dimensions
For all cabinets of a width of 4 panels
and more Double-wing doors



Dimensions of viewing area
For all cabinets of a width of 4 panels
and more Double-wing doors



| Height | | Width | | | External dimensions Height x width in mm | | Viewing area Height x width in mm | | Weight |
|--|----|---------|------------|--------|---|------|--------------------------------------|-------|--------|
| GU | OH | PW | Type | Remark | H1 | W1 | H2 | W2 | in kg |
| TwinLine wall-mounting cabinets, doors | | | | | | | | | |
| 8 | 4 | 2 | TZB208 | | 1243 | 539 | 1068 | 340 | 11.10 |
| | | 3 | TZB308 | | 1243 | 789 | 1068 | 590 | 14.60 |
| | 4* | TZB208L | Door left | 1243 | 526 * ² | 1068 | 340 | 10.90 | |
| | | TZB208R | Door right | 1243 | 539 | 1068 | 340 | 11.10 | |
| | 5* | TZB308L | Door left | 1243 | 776 * ² | 1068 | 590 | 14.60 | |
| | | TZB308R | Door right | 1243 | 539 | 1068 | 340 | 11.10 | |
| 9 | 5 | 2 | TZB209 | | 1393 | 539 | 1218 | 340 | 12.20 |
| | | 3 | TZB309 | | 1393 | 789 | 1218 | 590 | 16.10 |
| | 4* | TZB209L | Door left | 1393 | 526 * ² | 1218 | 340 | 12.00 | |
| | | TZB209R | Door right | 1393 | 539 | 1218 | 340 | 11.50 | |
| | 5* | TZB309L | Door left | 1393 | 776 * ² | 1218 | 590 | 16.00 | |
| | | TZB309R | Door right | 1393 | 539 | 1218 | 340 | 11.50 | |
| TwinLine floor-standing cabinets, doors | | | | | | | | | |
| 12 | 8 | 2 | TZB212 | | 1843 | 539 | 1668 | 340 | 15.60 |
| | | 3 | TZB312 | | 1843 | 789 | 1668 | 590 | 20.70 |
| | 4* | TZB212L | Door left | 1843 | 526 * ² | 1668 | 340 | 15.60 | |
| | | TZB212R | Door right | 1843 | 539 | 1668 | 340 | 15.40 | |
| | 5* | TZB312L | Door left | 1843 | 776 * ² | 1668 | 590 | 20.70 | |
| | | TZB312R | Door right | 1843 | 539 | 1668 | 340 | 15.40 | |
| | 6* | TZB312L | Door left | 1843 | 776 * ² | 1668 | 590 | 20.70 | |
| | | TZB312R | Door right | 1843 | 789 | 1668 | 590 | 19.90 | |

*Double-wing doors for all cabinets of a width of 4 panels and more

*²Dimensions incl. central door bar

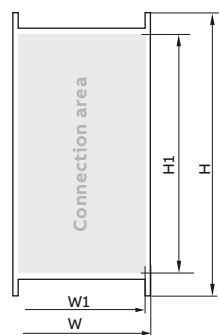
Quick product references

Overall dimensions

TwinLine mounting plates

External dimensions / Usable connection area

Mounting plate

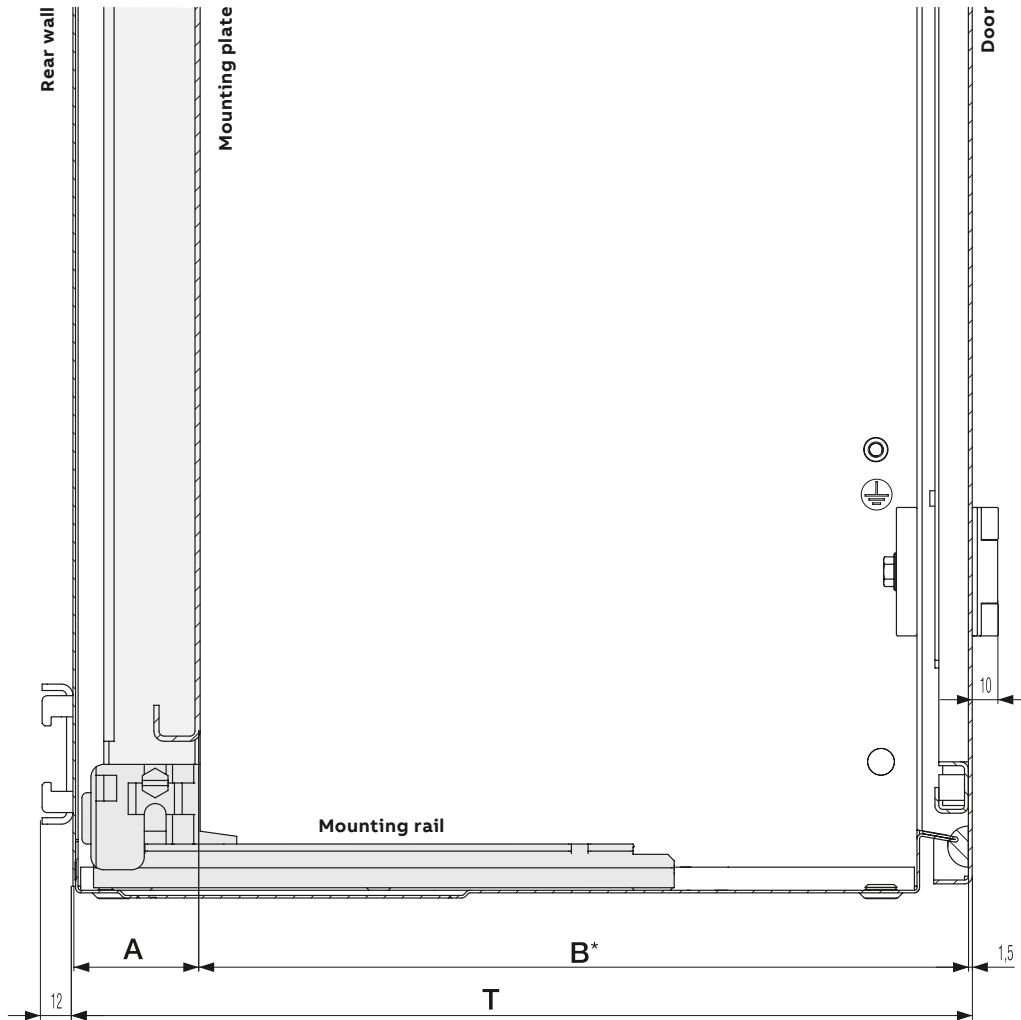


| Height | | Width | | External dimensions in mm | | Connection area in mm | | Weight |
|---|----|-------|--------|------------------------------|------|--------------------------|------|--------|
| GU | OH | PW | Type | H | W | H1 | W1 | in kg |
| Mounting plates for TwinLine wall-mounting cabinets \pm | | | | | | | | |
| 4 | 0 | 1 | TZM104 | 600 | 246 | 522 | 160 | 3.51 |
| | | 2 | TZM204 | 600 | 496 | 522 | 410 | 5.79 |
| | | 3 | TZM304 | 600 | 746 | 522 | 660 | 8.07 |
| | | 4 | TZM404 | 600 | 996 | 522 | 910 | 10.35 |
| | | 5 | TZM504 | 600 | 1246 | 522 | 1160 | 12.62 |
| 5 | 1 | 1 | TZM105 | 750 | 246 | 672 | 160 | 4.43 |
| | | 2 | TZM205 | 750 | 496 | 672 | 410 | 7.30 |
| | | 3 | TZM305 | 750 | 746 | 672 | 660 | 10.17 |
| | | 4 | TZM405 | 750 | 996 | 672 | 910 | 13.03 |
| | | 5 | TZM505 | 750 | 1246 | 672 | 1160 | 15.90 |
| 6 | 2 | 1 | TZM106 | 900 | 246 | 822 | 160 | 5.35 |
| | | 2 | TZM206 | 900 | 496 | 822 | 410 | 8.80 |
| | | 3 | TZM306 | 900 | 746 | 822 | 660 | 12.26 |
| | | 4 | TZM406 | 900 | 996 | 822 | 910 | 15.72 |
| | | 5 | TZM506 | 900 | 1246 | 822 | 1160 | 19.20 |
| 7 | 3 | 1 | TZM107 | 1050 | 246 | 972 | 160 | 6.26 |
| | | 2 | TZM207 | 1050 | 496 | 972 | 410 | 10.31 |
| | | 3 | TZM307 | 1050 | 746 | 972 | 660 | 14.36 |
| | | 4 | TZM407 | 1050 | 996 | 972 | 910 | 18.40 |
| | | 5 | TZM507 | 1050 | 1246 | 972 | 1160 | 22.45 |
| 8 | 4 | 1 | TZM108 | 1200 | 246 | 1122 | 160 | 7.18 |
| | | 2 | TZM208 | 1200 | 496 | 1122 | 410 | 11.82 |
| | | 3 | TZM308 | 1200 | 746 | 1122 | 660 | 16.45 |
| | | 4 | TZM408 | 1200 | 996 | 1122 | 910 | 21.09 |
| | | 5 | TZM508 | 1200 | 1246 | 1122 | 1160 | 25.72 |
| 9 | 5 | 1 | TZM109 | 1350 | 246 | 1272 | 160 | 8.10 |
| | | 2 | TZM209 | 1350 | 496 | 1272 | 410 | 13.33 |
| | | 3 | TZM309 | 1350 | 746 | 1272 | 660 | 18.55 |
| | | 4 | TZM409 | 1350 | 996 | 1272 | 910 | 23.77 |
| | | 5 | TZM509 | 1350 | 1246 | 1272 | 1160 | 29.00 |
| Mounting plates for TwinLine floor-standing cabinets \pm | | | | | | | | |
| 12 | 8 | 1 | RM18 | 1800 | 246 | 1722 | 160 | 10.80 |
| | | 2 | RM28 | 1800 | 496 | 1722 | 410 | 17.80 |
| | | 3 | RM38 | 1800 | 746 | 1722 | 660 | 21.00 |
| | | 4 | RM48 | 1800 | 996 | 1722 | 910 | 31.80 |

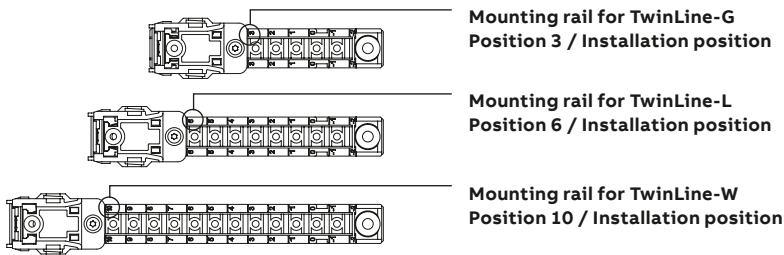
Quick product references

Overall dimensions

TwinLine Assembly with mounting plate



Mounting rail
Top view



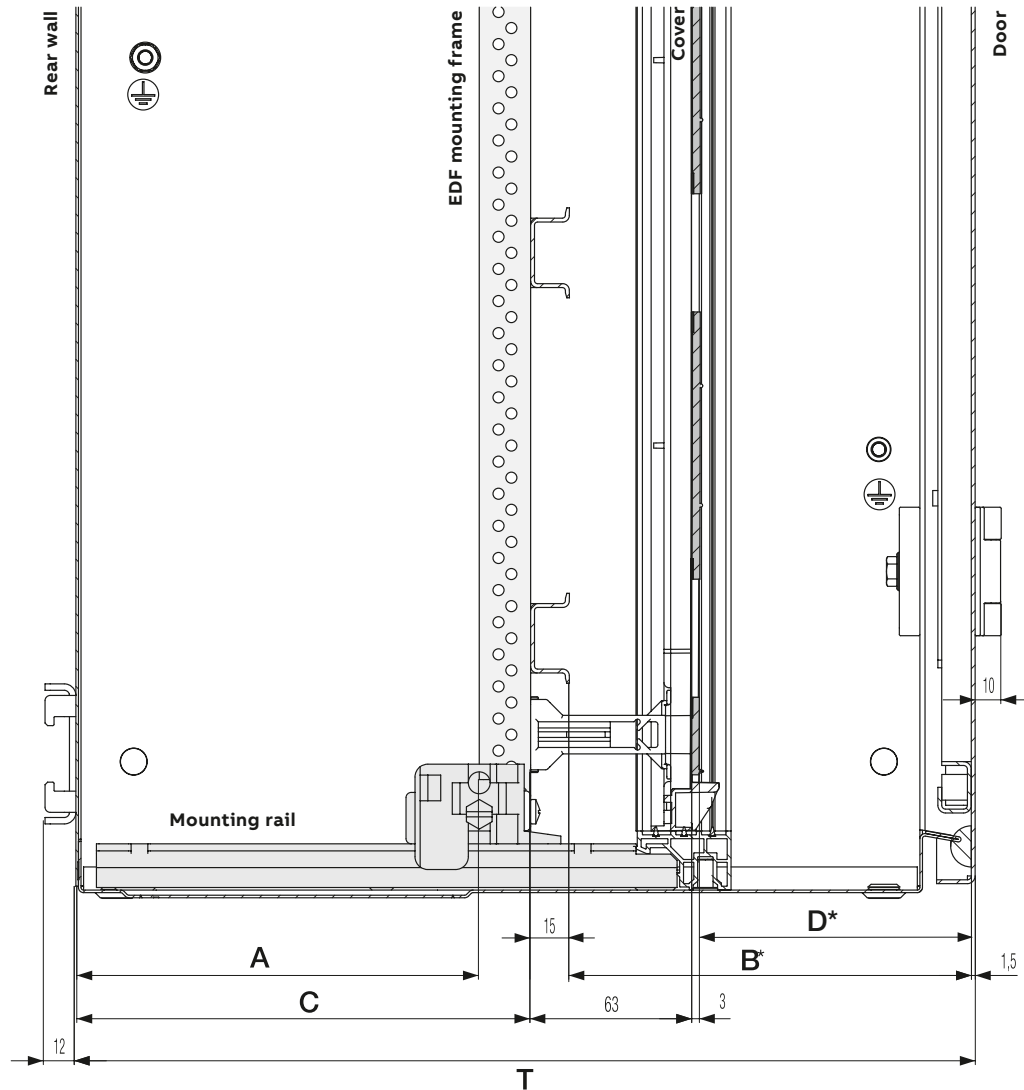
| | | A in mm for installation position | | | | | | | | | | | | | |
|----------------|-------------|------------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Cabinet series | Depth in mm | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | -1 | -2 | |
| TwinLine G | 225 | - | - | - | - | - | - | - | 52.5 | 65 | 77.5 | 90 | 102.5 | 115 | |
| TwinLine L | 275 | - | - | - | - | 50 | 62.5 | 75 | 87.5 | 100 | 112.5 | 125 | 137.5 | 150 | |
| TwinLine W | 350 | 48.5 | 61 | 73.5 | 86 | 98.5 | 111 | 123.5 | 136 | 148.5 | 161 | 173.5 | 186 | 198.5 | |
| | | B* in mm for installation position | | | | | | | | | | | | | |
| Cabinet series | Depth in mm | | | | | | | | | | | | | | |
| TwinLine G | 225 | - | - | - | - | - | - | - | 170 | 157.5 | 145 | 132.5 | 120 | 107.5 | |
| TwinLine L | 275 | - | - | - | - | 222.5 | 210 | 197.5 | 185 | 172.5 | 160 | 147.5 | 135 | 122.5 | |
| TwinLine w | 350 | 299 | 286.5 | 274 | 261.5 | 249 | 236.5 | 224 | 211.5 | 199 | 186.5 | 174 | 161.5 | 149 | |

* Referred to the surface of the connection area; (see page155); outside the connection area this dimension is reduced by 35 mm
> Dimensions in mm

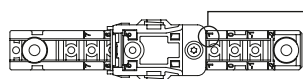
Quick product references

Overall dimensions

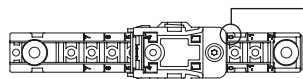
CombiLine modules on EDF mounting frame



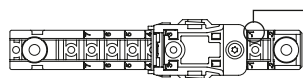
Mounting rail
Top view



Mounting rail
Position 1



Mounting rail
Position 0 / as delivered / Installation position



Mounting rail
Position -1

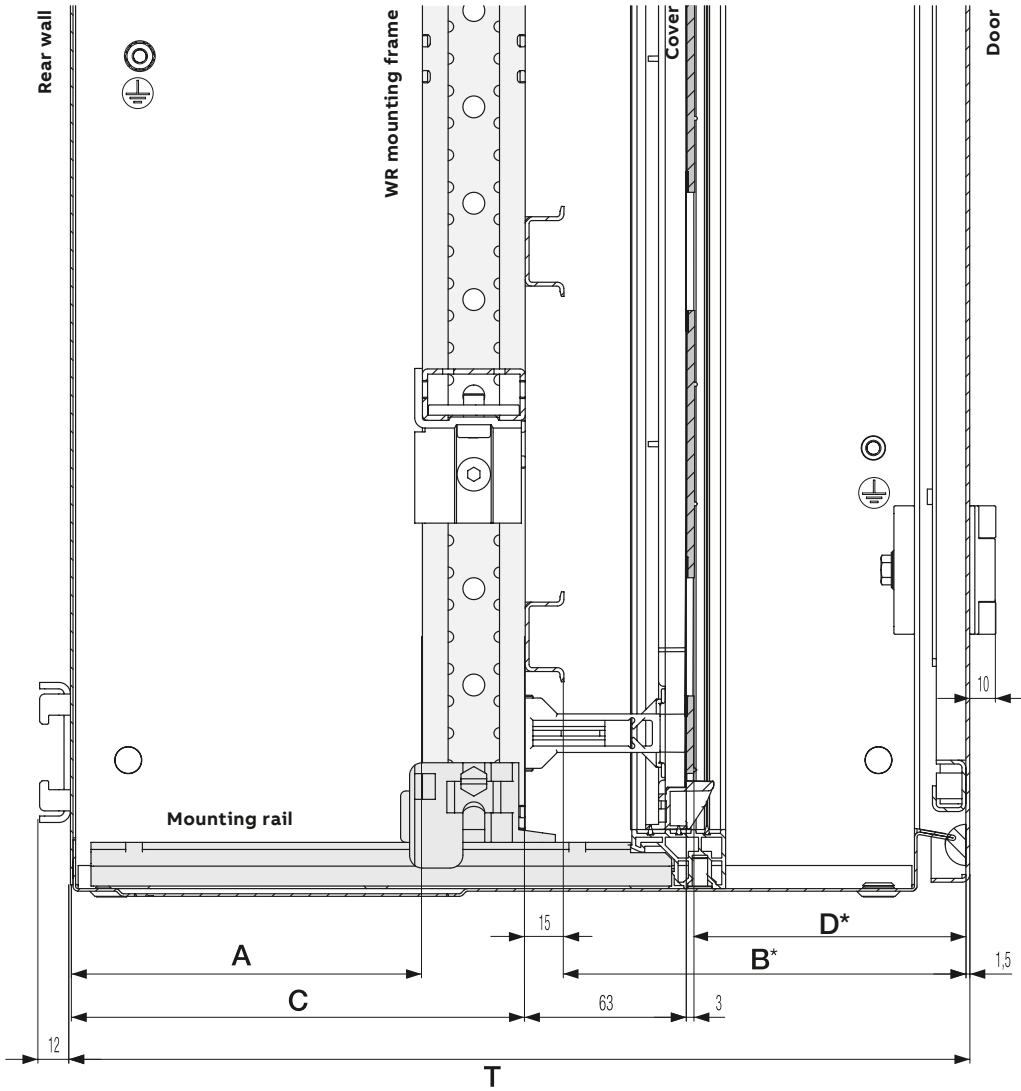
| Cabinet series | Depth in mm | A in mm for installation part position | | | B in mm for installation position* | | | C in mm for installation position | | | D in mm for installation position* | | |
|----------------|----------------|---|-------|-------|---------------------------------------|-------|-------|--------------------------------------|-------|-------|---------------------------------------|-----|------|
| | | 1 | 0 | -1 | 1 | 0 | -1 | 1 | 0 | -1 | 1 | 0 | -1 |
| TwinLine-G | 225 | 60 | 72.5 | 85 | 127.5 | 115 | 102.5 | 80 | 92.5 | 105 | 76.5 | 64 | 51.5 |
| TwinLine-L | 275 | 95 | 107.5 | 120 | 142.5 | 130 | 117.5 | 115 | 127.5 | 140 | 91.5 | 79 | 66.5 |
| TwinLine-W | 350 | 143.5 | 156 | 168.5 | 169 | 156.5 | 144 | 163.5 | 176 | 188.5 | 117.5 | 105 | 92.5 |

* Referred to the surface of the connection area (see page 156); outside the connection area this dimension is reduced by 35 mm
> Dimensions in mm

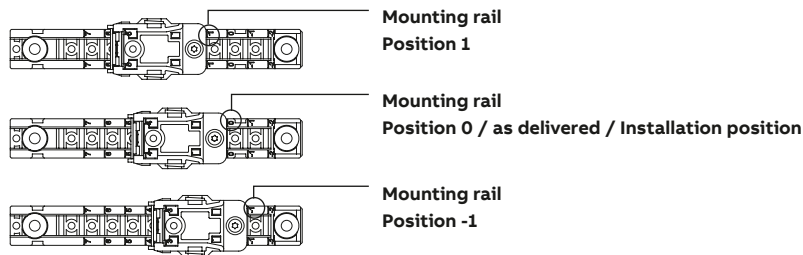
Quick product references

Overall dimensions

CombiLine modules on WR mounting frame



Mounting rail
Top view



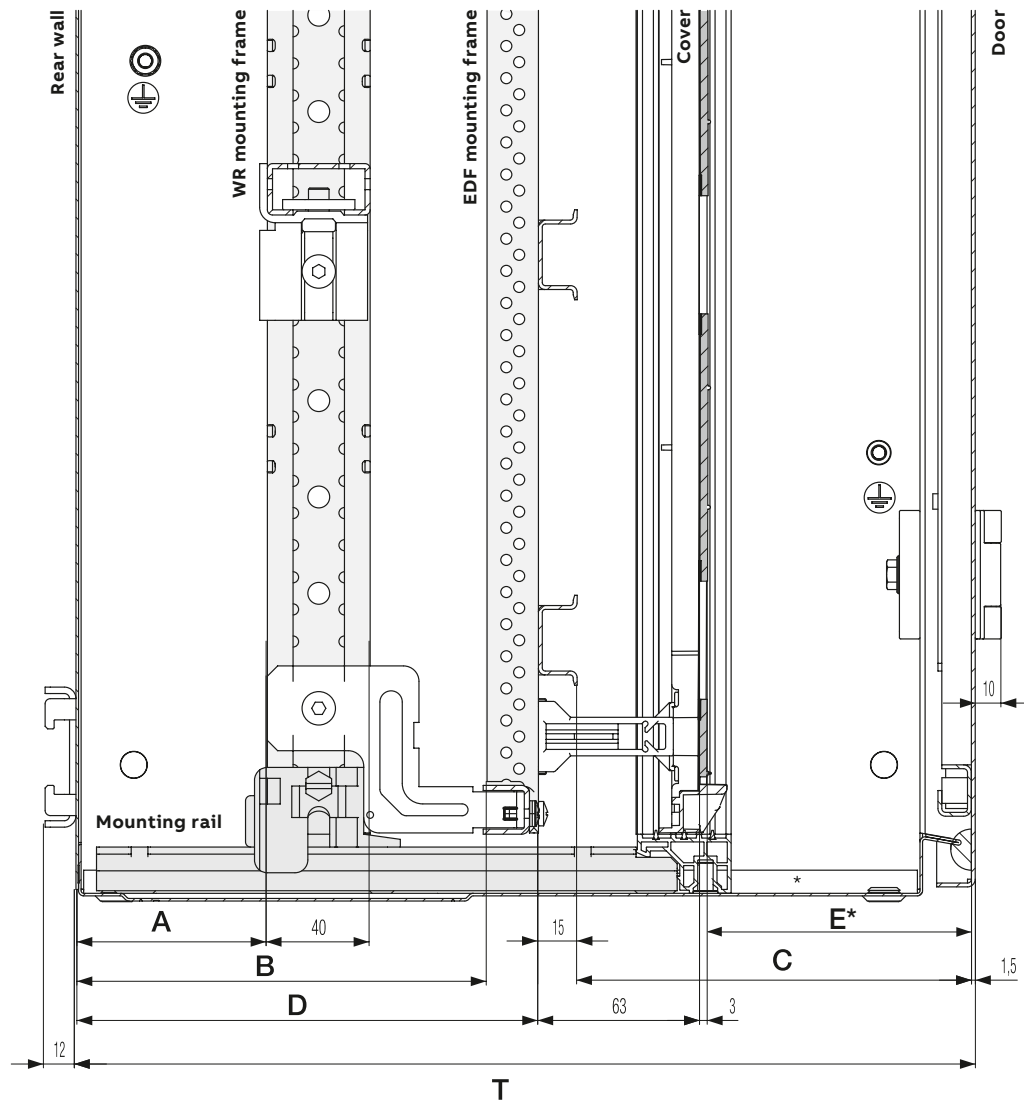
| Schrankserie | Depth in mm | A in mm for installation part position | | | B in mm for installation position* | | | C in mm for installation position | | | D in mm for installation position* | | |
|--------------|----------------|---|------|-------|---------------------------------------|-------|-------|--------------------------------------|-------|-------|---------------------------------------|-----|------|
| | | 1 | 0 | -1 | 1 | 0 | -1 | 1 | 0 | -1 | 1 | 0 | -1 |
| TwinLine-G | 225 | 40 | 52.5 | 65 | 127.5 | 115 | 102.5 | 80 | 92.5 | 105 | 76.5 | 64 | 51.5 |
| TwinLine-L | 275 | 75 | 87.5 | 100 | 142.5 | 130 | 117.5 | 115 | 127.5 | 140 | 91.5 | 79 | 66.5 |
| TwinLine-W | 350 | 123.5 | 136 | 148.5 | 169 | 156.5 | 144 | 163.5 | 176 | 188.5 | 117.5 | 105 | 92.5 |

* Referred to the surface of the connection area (see page 157); outside the connection area this dimension is reduced by 35 mm
> Dimensions in mm

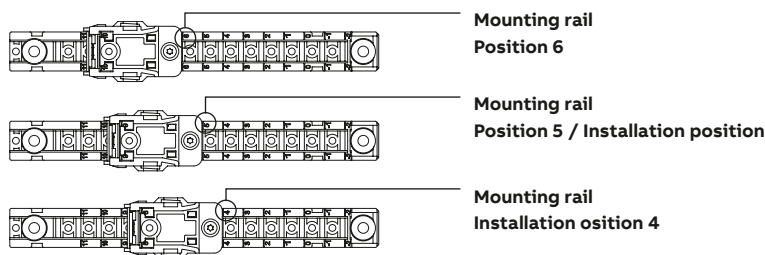
Quick product references

Overall dimensions

Assembly with EDF on WR mounting frame



Mounting rail
Top view



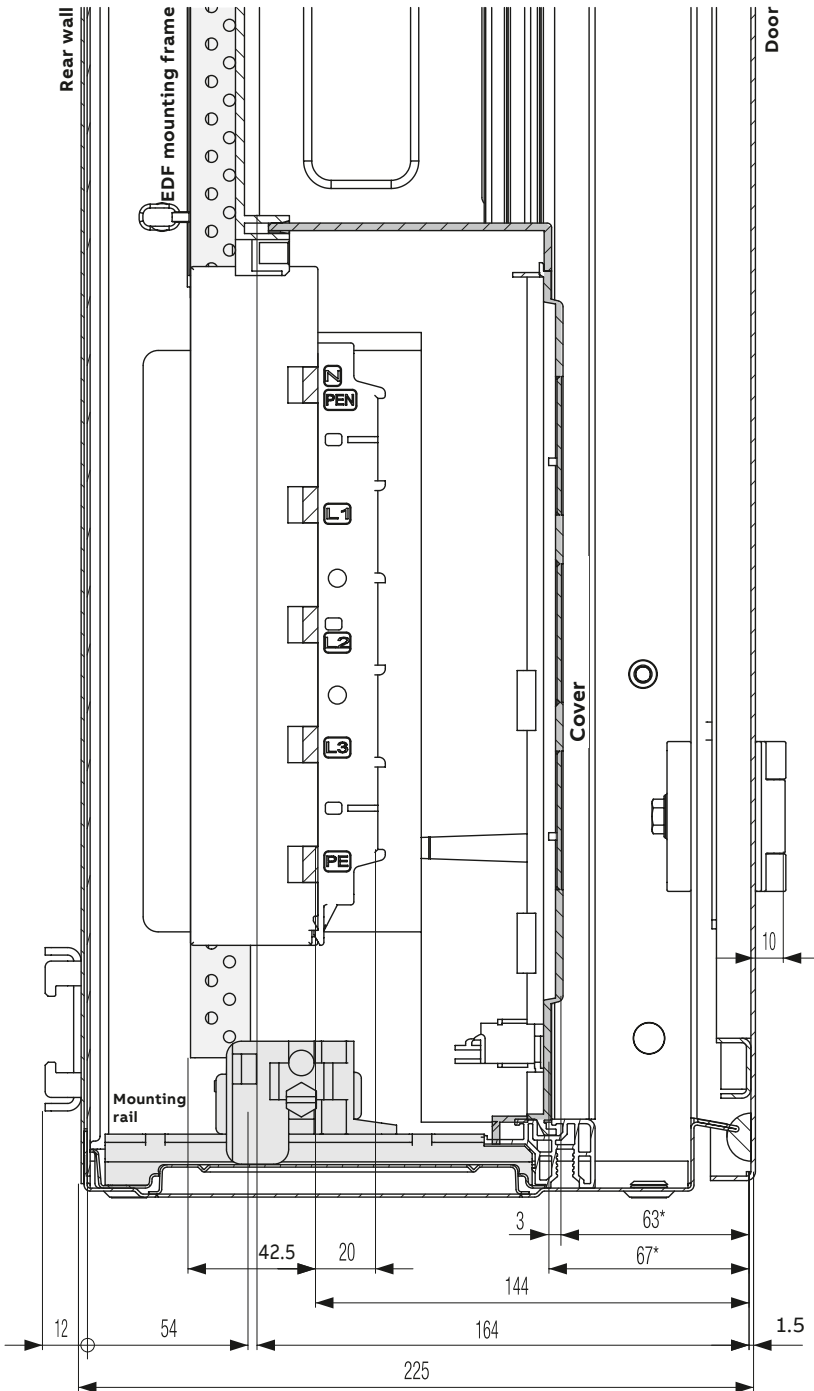
| Schrankserie | Tiefe in mm | A in mm for installation part position | | | B in mm for installation position | | | C in mm for installation position* | | | D in mm for installation position | | | E in mm for installation position* | | |
|--------------|----------------|--|------|------|-----------------------------------|-------|-------|------------------------------------|-----|-------|-----------------------------------|-----|-------|------------------------------------|-----|------|
| | | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 |
| TwinLine-L | 275 | 12.5 | 25 | 37.5 | 98 | 110.5 | 123 | 139.5 | 127 | 114.5 | 117.5 | 130 | 142.5 | 88.5 | 76 | 63.5 |
| TwinLine-W | 350 | 61 | 73.5 | 86 | 146.5 | 159 | 171.5 | 165.5 | 153 | 140.5 | 166.5 | 179 | 191.5 | 114.5 | 102 | 89.5 |

* Referred to the surface of the connection area (see page 158); outside the connection area this dimension is reduced by 35 mm
> Dimensions in mm

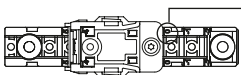
Quick product references

Overall dimensions

Assembly with meter panel for TwinLine-G



Mounting rail
Top view



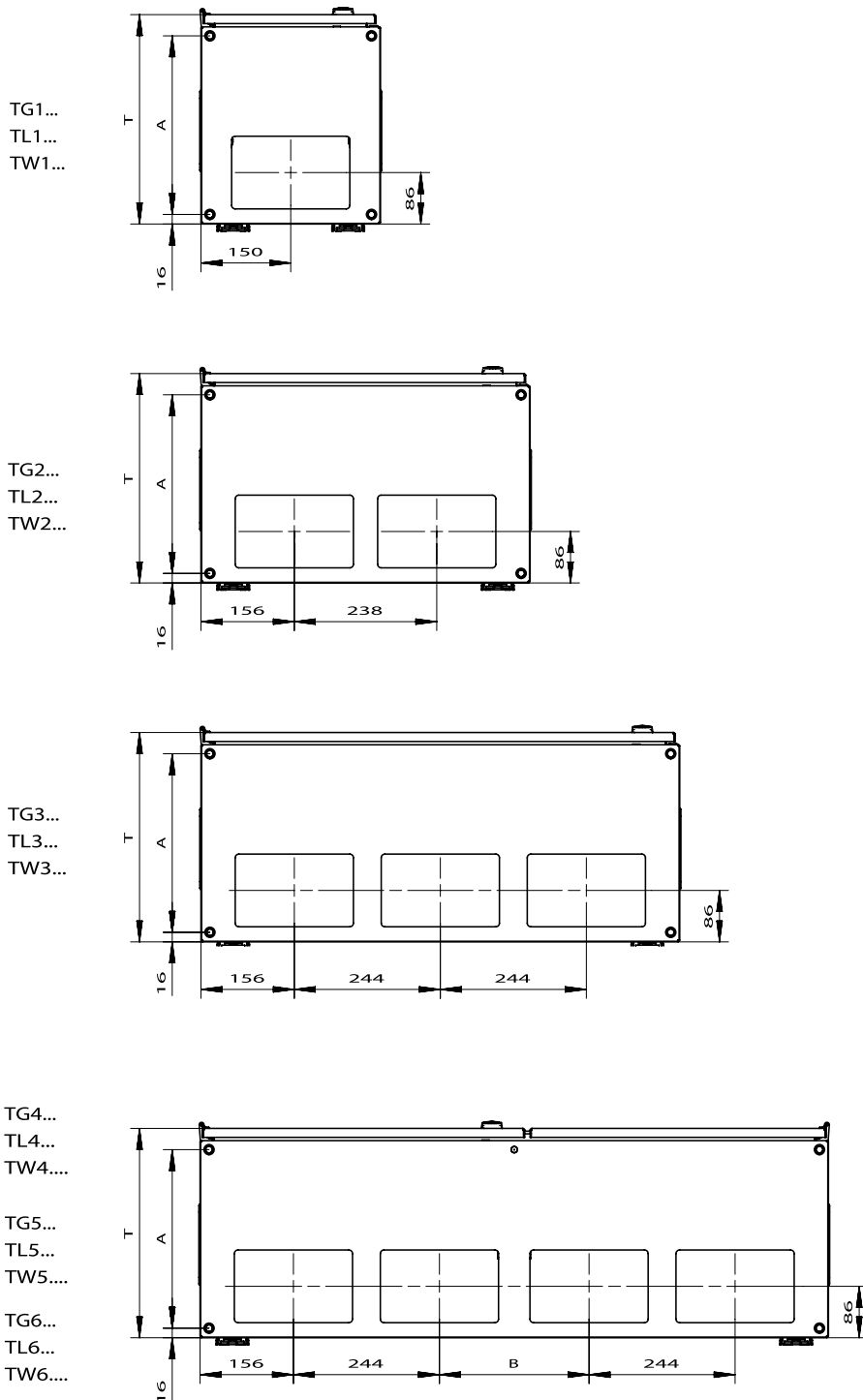
Mounting rail
Position 0 / as delivered

* Referred to the surface of the connection area (see page 159); outside the connection area this dimension is reduced by 35 mm
> Dimensions in mm

Quick product references

Overall dimensions

TwinLine Top view / side flange knockout, top and bottom

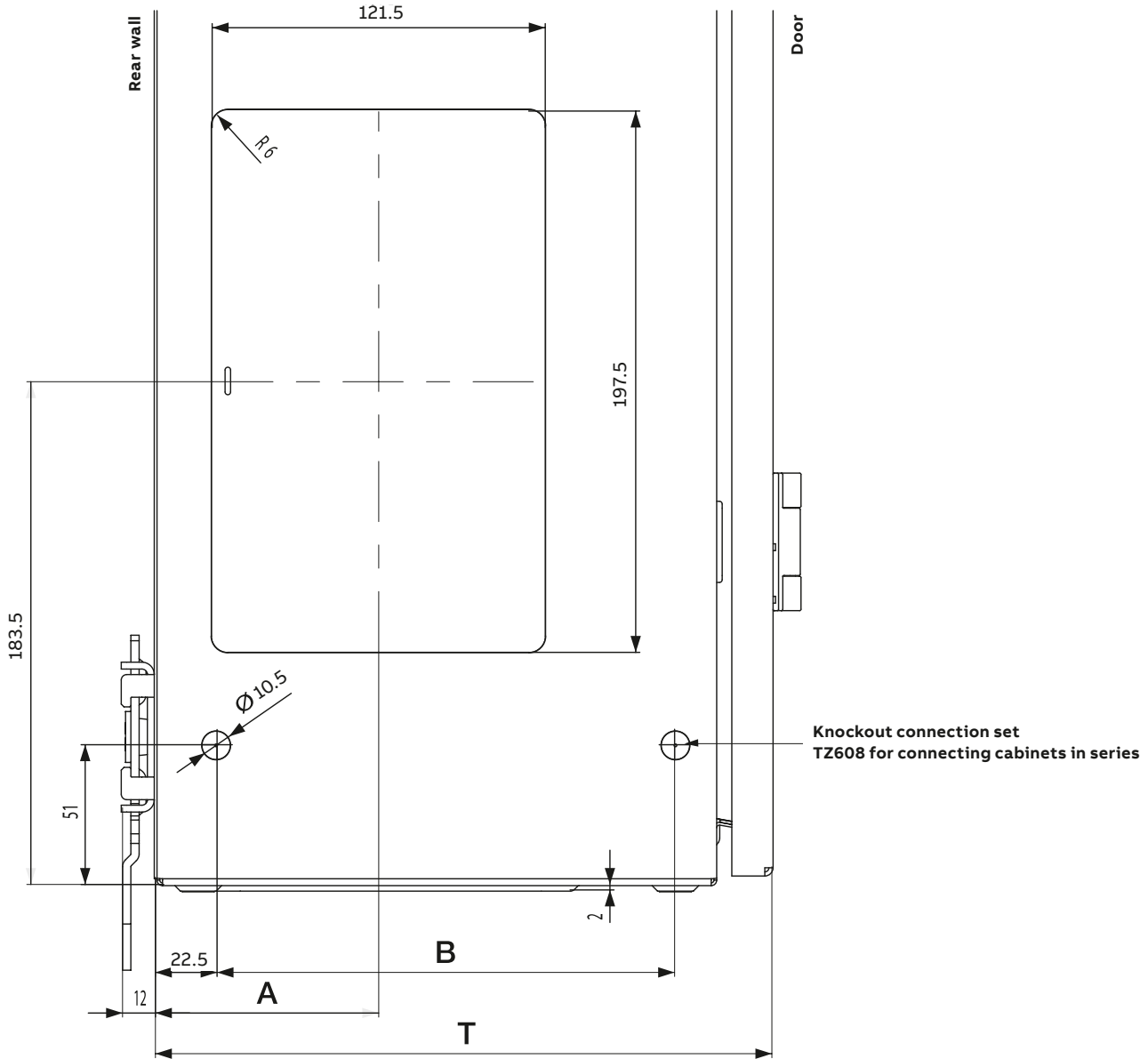


| Cabinet series | Depth in mm | A in mm | B in mm / 4 panel wide | B in mm / 5 panel wide | B in mm / 6 panel wide |
|----------------|-------------|---------|------------------------|------------------------|------------------------|
| TwinLine-G | 225 | 173.5 | | | |
| TwinLine-L | 275 | 223.5 | 1 x 250 (250) | 2 x 250 (500) | 3 x 250 (750) |
| TwinLine-W | 350 | 298.5 | | | |

Quick product references

Overall dimensions

TwinLine Side view / side flange knockout, top and bottom



| Cabinet series | Depth in mm | A in mm | B in mm |
|----------------|-------------|---------|---------|
| TwinLine-G | 225 | 80.5 | 167 |
| TwinLine-L | 275 | 106.5 | 217 |
| TwinLine-W | 350 | 154.5 | 292 |

Quick product references

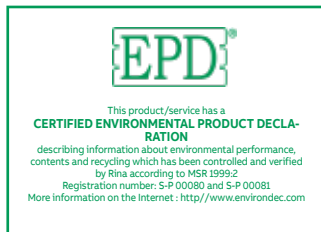
MCBs and RCDs worldwide marks and approvals









This is the present situation regarding worldwide marks and approvals for ABB System pro M compact range devices.

Although some products already obtained some approvals or certificates, they don't necessarily bear the related marks on the product.

For detailed list of approval, please check our product detail page and download section

The F 200 range has obtained the EPD (Environmental Product Declaration), according to ISO 14040.



| |  |  |  |  |
|-----------------------|---|---|---|---|
| | AENOR - Spain | BBJ - Poland | BSMI - Taiwan | CCC - China |
| |  |  |  |  |
| S 200 | ■ S 200 | ■ S 200 | ■ S 200 | ■ S 200 |
| S 200M | ■ S 200M | ■ S 200M | ■ S 200M | ■ S 200M |
| S 200M UC | | | | |
| S 200 P | ■ S 200 P | ■ S 200 P | | ■ S 200 P |
| S 300 P | | | ■ S 300 P | ■ S 300 P |
| S 200 S | | | | |
| S 200 U | | | | ■ S 200 U |
| S 200 UP | | | | ■ S 200 UP |
| S 200 UDC | | | | |
| S 200 MR / S 200 PR | | | | |
| SU 200 MR / SU 200 PR | | | | |
| SN 201 | | | | ■ SN 201 |
| S 200 80 - 100 A | | | | ■ S 200 80 - 100 A |
| S 750 DR | | | | |
| S400M | | | | ■ S400M ^① |
| S 800* | | | | ■ S 800 |
| F 200 | ■ F 200 | | ■ F 200 ^② | ■ F 200 ^③ |
| F-ATI Test | | | | |
| F-ARI Test | | | | |
| DDA 200 | | | | |
| DS 200 | | | | |
| DS201 | | | | ■ DS201 |
| DS202C | | | | |
| DS203NC | | | | ■ DS203NC |
| DDA 800 | | | | |
| SN201-S, SN201-IH | | | | ■ SN201-S, SN201-IH |
| DS401/402 | | | | ■ DS401/402 |
| S200C | | | | ■ S200C |

Legend:

■ Approved

● Waiting for approval

① Supplementary protection

② Branch circuit protection

③ Available for F200 type for overseas markets

⑤ Only DS202C M Type A and APR

The indicated approvals generally cover all available approvals worldwide. To verify the approval status in your country please contact your LSO.

* For further details on worldwide marks & approvals for specific S800 ranges please visit the dedicated download section in our websites.



CEBEC - Belgium

CERTIF - Portugal

CSA - Canada

DEMKO - Denmark

EZO - Czech Republic

FIMKO - Finland



■ S 200

■ S 200

■ S 200

■ S 200

■ S 200

■ S 200M

■ S 200M

■ S 200M ①

■ S 200M

■ S 200M

■ S 200M

■ S 200 P

■ S 200 P

■ S 200 P ($\leq 25 A$) ①

■ S 200 P

■ S 200 P

■ S 200 P

■ S 300 P

■ S 300 P

■ S 300 P ①

■ S 300 P

■ S 300 P

■ S 200 U ②

■ S 200 UP ②

■ S 200 UDC ②

■ S 200 MR / S 200 PR

①

■ SU 200 MR / SU 200 PR

②

■ F 200

■ F 200

■ F 200

■ DS201 UL

Quick product references

MCBs and RCDs worldwide marks and approvals













| |  |  |  |  |
|-----------------------|---|---|---|---|
| | EAC - Russia | IIS - Israel | IMQ - Italy | IMQ CSV - Italy |
| |  |  |  |  |
| S 200 | ■ S 200 | ■ S 200 | ■ S 200 | |
| S 200M | ■ S 200M | | ■ S 200M | |
| S 200M UC | | | | |
| S 200 P | ■ S 200 P | | ■ S 200 P | |
| S 300 P | ■ S 300 P | | ■ S 300 P | |
| S 200 S | | | ● S 200 S | |
| S 200 U | | | | |
| S 200 UP | | | | |
| S 200 UDC | | | | |
| S 200 MR / S 200 PR | | | | |
| SU 200 MR / SU 200 PR | | | | |
| SN 201 | | ■ SN 201 | ■ SN 201 | |
| S 200 80 - 100 A | ■ S 200 80 - 100 A | | ■ S 200 80 - 100 A | |
| S 750 DR | ■ S 750 DR | | | |
| S400M | ■ S400M | | | |
| S 800* | ■ S 800 | | | |
| F 200 | ■ F 200 | ■ F 200 | ■ F 200 | |
| F-ATI Test | | | | |
| F-ARI Test | | | | ■ F-ARI Test |
| DDA 200 | ■ DDA 200 | ■ DDA 200 | ■ DDA 200 | |
| DS 200 | ■ DS 200 | ■ DS 200 | ■ DS 200 | |
| DS201 | ■ DS201 | ■ DS201 | ■ DS201 | |
| DS202C | ■ DS202C | | ■ DS202C | |
| DS203NC | ■ DS203NC | ■ DS203NC | ■ DS203NC | |
| DDA 800 | | | | |
| F2C.. | ■ F2C.. | | | |
| S 290 accessories | ■ S 290 accessories | | | |
| DS401/402 | ■ DS401/402 | | | |
| S-ARC1 | ■ S-ARC1 | | ■ S-ARC1 | |
| DS-ARC1 | ■ DS-ARC1 | | ■ DS-ARC1 | |
| S200C | | | ■ S200C | |

Legend:

- Approved
- Waiting for approval
- ① Supplementary protection
- ② Branch circuit protection
- ③ Available for F200 type for overseas markets
- ④ Only S 500-K range
- ⑤ Only DS202C M Type A and APR
- ⑥ Not available for F200 left neutral
- ⑦ Only DS201 (2019) APR and DS201 neutral left series









The indicated approvals generally cover all available approvals worldwide. To verify the approval status in your country please contact your LSO.

* For further details on worldwide marks & approvals for specific S800 ranges please visit the dedicated download section in our websites.

|  |  |  |  |  |  |
|---|---|---|---|---|---|
| IRAM - Argentina | KC - South Korea | KEMA - Netherland | LCIE - France | NEMKO - Norway | OVE - Austria |
|  |  |  |  |  |  |
| ■ S 200 | ■ S 200 | ■ S 200 | ■ S 200 | ■ S 200 | ■ S 200 |
| | | ■ S 200M | ■ S 200M | ■ S 200M | ■ S 200M |
| | | ■ S 200 P | ■ S 200 P | ■ S 200 P | ■ S 200 P |
| | ■ S 300 P | ■ S 300 P | ■ S 300 P | ■ S 300 P | ■ S 300 P |
| | | ● S 200 S | ■ S 200 S | | ■ S 200 S |
| | | | | | |
| | | ■ SN 201 | ■ SN 201 | | |
| | | | | | |
| ■ F 200 ③ | ■ S 800 | ■ F 200 | ■ F 200 | | ■ F 200 |
| | | | ■ DDA 200 | | |
| | | | ■ DS 200 | | |
| | ■ DS201 | ■ DS201 | ■ DS201 ⑦ | | ■ DS201 |
| | ■ DS202C | | ■ DS202C | | |
| | | ■ DS203NC | | | |
| | | | | | |
| ■ S-ARC1 | ■ S-ARC1 | | | | |
| | ■ DS-ARC1 | | | | |
| ■ S200C | | ■ S200C | ■ S200C | | |

Quick product references

MCBs and RCDs worldwide marks and approvals











| |  |  |  |  |
|-----------------------|---|---|---|---|
| | HDB/PSB - Singapore | SABS - South Africa | SEMKO - Sweden | SEV - Switzerland |
| |  |  |  |  |
| S 200 | ■ S 200 | ■ S 200 | ■ S 200 | ■ S 200 |
| S 200M | ■ S 200M | | ■ S 200M | ■ S 200M |
| S 200M UC | | | | |
| S 200 P | | | ■ S 200 P | ■ S 200 P |
| S 300 P | | | ■ S 300 P | ■ S 300 P |
| S 200 S | | | | ● S 200 S |
| S 200 U | | | | |
| S 200 UP | | | | |
| S 200 UDC | | | | |
| S 200 MR / S 200 PR | | | | |
| SU 200 MR / SU 200 PR | | | | |
| SN 201 | | | | |
| S 200 80 - 100 A | | ■ S 200 80 - 100 A | | |
| S 700 | | | | |
| S 750 DR | | | | |
| S400E | | | | ■ S400E |
| S400M | | | | ■ S400M |
| S 800* | | | | ■ S 800 |
| F 200 | ■ F 200 ③ | ■ F 200 ③ | | ■ F 200 |
| F-ATI Test | | | | |
| F-ARI Test | | | | |
| DDA 200 | | ■ DDA 200 | | |
| DS 200 | | | | |
| DS201 | | | | ■ DS201 |
| DS202C | | | | |
| DS203NC | | | | |
| DSE201 - DSE201 M | | | | |
| DDA 800 | | | | |
| DS401/402 | | | ■ DS401/402 | ■ DS401/402 |
| S-ARC1 | | | | |
| DS-ARC1 | | | | |
| S200C | | | | |

Legend:

- Approved
- Waiting for approval
- ① Supplementary protection
- ② Branch circuit protection
- ③ Available for F200 type for overseas markets
- ④ Only S 500-K range
- ⑤ Only DS202C M Type A and APR
- ⑥ not available for F200 left neutral







The indicated approvals generally cover all available approvals worldwide. To verify the approval status in your country please contact your LSO.

* For further details on worldwide marks & approvals for specific S800 ranges please visit the dedicated download section in our websites.

|  |  |  |  |  |  |
|---|---|---|---|---|---|
| SIQ - Slovenia | SIRIM - Malaysia | UL - USA | | | VDE - Germany |
|  |  |  | | |  |
| ■ S 200 | ■ S 200 | | ■ S 200 ① | | ■ S 200 |
| ■ S 200M | ■ S 200M | ■ S 200M ① | | | ■ S 200M |
| | | | | | ■ S 200M UC |
| ■ S 200 P | | | ■ S 200 P ① | | ■ S 200 P |
| | | | ■ S 300 P ① | | ■ S 300 P |
| | | | | | ■ S 200 S |
| | | | | ■ S 200 U ② | |
| | | | | ■ S 200 UP ② | |
| | | | | ■ S 200 UDC ② | |
| | | ■ S 200 MR / S 200 PR ① | | | ■ S 200 MR / S 200 PR |
| | | | | ■ SU 200 MR / SU 200 PR ② | ■ SU 200 MR / SU 200 PR |
| | | | | | ■ S 700 |
| | | | | | ■ S 750 DR |
| | | | | | ■ S400E |
| | | | | | ■ S400M ⑩ |
| | | ■ S 800 | | ■ S 800 | ■ S 800 |
| | ■ F 200 ③ | ■ F 200 ④ | | | ■ F 200 |
| | | | | | ■ F-ATI Test |
| | | | | | ■ DS 200 |
| | | ■ DS201 UL | | | ■ DS201 |
| | | | | | ■ DS202C |
| | | | | | ■ DS203NC |
| | | | | | ■ DS401/402 |
| | | | | | ■ S-ARC1 |
| | | | | | ■ DS-ARC1 |
| | | | | | ■ S200C |

Quick product references

MCBs and RCDs worldwide marks and approvals







| RIVER | MARINE | MARINE |
|---|---|---|
|  |  |  |
| RRR - Russia | ABS - USA | DNV-GL - Germany |
|  |  |  |
| S 200 | ■ S 200 | ■ S 200 |
| S 200M | ■ S 200M | ■ S 200M |
| S 200 MUC | | |
| S 200 P | | |
| S 300 P | | ■ S 300 P |
| S 200 S | | |
| S 200 U | | |
| S 200 UP | | |
| S 200 UDC | | |
| S 200 MR / S 200 PR | | |
| SU 200 MR / SU 200 PR | | |
| SN 201 | | ■ SN 201 |
| S 200 80 - 100 A | | |
| S 700 | | |
| S 750 DR | | |
| S400E | | |
| S400M | | ■ S400M |
| S 800* | | ■ S 800 |
| F 200 | | ■ F 200 ③ |
| F 204 B | | |
| F-ATI Test | | |
| F-ARI Test | | |
| DDA 200 | | |
| DS 200 | | |
| DS201 | ■ DS201, DS201 M, DS201 M 110 V | ■ DS201, DS201 M, DS201 M 110 V |
| DS202C | ■ DS202C M, DS202C M 110 V | ■ DS202C M, DS202C M 110 V |
| DS203NC | | |
| DSE201 - DSE201 M | | ■ DSE201 - DSE201 M |
| DS 271 | | |
| DDA 800 | | |
| S200C | | |

Legend:

- Approved
- Waiting for approval
- ① Supplementary protection
- ② Branch circuit protection
- ③ Available for F200 type for overseas markets
- ④ Only DS202C M Type A and APR
- ⑤ Not available for F200 left neutral



The indicated approvals generally cover all available approvals worldwide. To verify the approval status in your country please contact your LSO.

* For further details on worldwide marks & approvals for specific S800 ranges please visit the dedicated download section in our websites.

| MARINE | MARINE | MARINE |
|---|---|---|
|  |  |  |
| LRS - Great Britain | RINA - Italy | RMRS - Russia |
|  |  |  |
| ■ S 200 | ■ S 200 | ■ S 200 |
| ■ S 200M | ■ S 200M | ■ S 200M |
| ■ S 200 P | ■ S 200 P | ■ S 200 P |
| ■ S 300 P | ■ S 300 P | ■ S 300 P |
| ■ S 800 | ■ S 800 | ■ S 800 |
| | ■ DDA 200 110 V | ■ DS 200 |
| | ■ DS201 M 110 V | ■ DS201, DS201 M, DS201 M 110 V |
| | ■ DS202C M, DS202C M 110 V | ■ DS202C M, DS202C M 110 V |
| ■ S200C | ■ S200C | |

Quick product references

MDRCs worldwide marks and approvals

| |  |  |  |  |  |  |  |  |  |
|------------|---|---|---|---|---|--|---|---|---|
| | BSI UK | CCC China | CEBEC Belgium | ENEC Europe | EAC Russia | GOST Russia | IMQ Italy | KEMA Netherland | NF France |
| |  |  |  |  |  |  |  |  |  |
| OVR | | ■ OVR QS for AC (CQC) | | | ■ OVR T1-T2, T2 and T2-T3 | ■ OVR T2 | | | ■ OVR T1-T2, T2 and T2-T3 |
| RD | | | | | | ■ RD | | | |
| TR-TRM | | | | | | ■ TR-TRM | | | |
| E 90 | | ■ E90 ③, E90h ③ E90 PV* | | | ■ E90, E90h, E90 PV* | | ■ E90 ③, E90h ③ | | ■ E90 ⑤, E90h ⑥ |
| E90 50/125 | | ■ E90 50/125 | | | ■ E90 50/125 | | | | |
| E90 | | | | | | | | | |
| E 200 | | ■ E 200 | | | ■ E 200 | | | ■ E 200 | |
| SD 200 | | ■ SD 200 | | | ■ SD 200 | | | ■ SD 200 | |
| SHD 200 | | ■ SHD 200 | | | ■ SHD 200 | | | ■ SHD 200 | |
| E210 | | ■ E210 ② | | | ■ E210 | | | | |
| ESB | | ■ ESB | | | | | | | |
| EN | | ■ EN | | | | | | | |
| E290 | | | | | ■ E290 | | | | |
| E297 | | | | | ■ E297 | | | | |
| E 260 | | | | | ■ E 260 | | | | |
| E 234 | | ■ E 234 | | | | ■ E 234 | | | |
| AG | | | | | ■ AG | | | | |
| DBT | | | | | ■ DBT | | | | |
| E 232 | | | | | ■ E 232 | | | | |

Legend:

- Approved whole range
- Waiting for approval
- ① Except for ESB/EN 20
- ② For series E219 CCC mark not needed
- ③ Just no LED versions
- ⑤ Version without neutral
- ⑥ Dedicated range with neutral on left
- ⑦ IMQ available for TM up to 30 VA
- ⑧ VDE available only on M1175 (standard grey version) and M1175-C (with cover)
- * E90 PV 1000 V DC only



SEV
Swiss



UL/CSA
USA/Canada



UL/CSA
USA/Canada



VDE
Germany



BV/F
France



GL/D
Germany



LRS
Great Britain



RINA
Italy



RMRS
Russia



KR
Korea



■ OVR T2
40 275

■ E90 PV,
E90 CC

■ E90

■ E90,
E90h,
E90 PV*

■ E90 ③,
E90h ③

■ E90 ③,
E90h ③

■ E90

■ E90
50/125

■ E90
50/125

■ E90
50/125

■ E90
50/125

■ E90 J

■ E 200

■ SD 200

■ SHD 200

■ E210

■ E210

■ ESB

■ ESB ①

■ ESB ①

■ EN

■ EN ①

■ EN ①

■ E290

■ E290 60Hz

■ E297
















■ E 260

■ E 234

■ E 232

Quick product references

MDRCs worldwide marks and approvals

|          | |
|--|--|
|          | |
| TL Line | ■ TL Line |
| LCR | ■ LCR |
| SQZ3 | ■ SQZ3 |
| CT / CTA / TRFM | ■ CT/CTA/ TRFM |
| MCA/MCV | ■ MCA/MCV |
| HMT | ■ HMT |
| TM | ■ TM ■ TM ② |
| TS | ■ TS |
| TS-C | ■ TS-C |
| TSM/TSR | ■ TSM/TSR |
| SM/RM | ■ SM/RM |
| M1170 | ■ M1170 |
| M1173 | ■ M1173 ■ M1173 |
| M1174 | ■ M1174 ■ M1174 |
| M1175 | ■ M1175 |
| M1363 | ■ M1363 |
| M1011 | |
| TM-C, TM-I, TM-S | ■ TM-C, TM-I, TM-S ■ TM-C, TM-I, TM-S |

Legend:

- Approved whole range
- Waiting for approval
- ① Except for ESB/EN 20
- ② For series E219 CCC mark not needed
- ③ Just no LED versions
- ④ Dedicated range for chinese market
- ⑤ Version without neutral
- ⑥ Dedicated rang with neutral on left
- ⑦ E291S in preparation: will be available in 2016



SEV
Swiss



UL/CSA
USA/Canada



UL/CSA
USA/Canada



VDE
Germany



BV/F
France



GL/D
Germany



LRS
Great Britain



RINA
Italy



RMRS
Russia



KR
Korea



■ TS

■ M1175 ⑧

■ M1011

■ TM-C, TM-I, TM-S

■ TM-C