

9 - PILOT DEVICES & SELECTOR SWITCHES



GE P9 Range



Illuminated Pushbuttons



Pushbuttons



Pilot Lights



Signal Light Towers



Cam Switches

GE P9 Range 22mm dia IP66

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P9 SELECTION GUIDE

STANDARD & ILLUMINATED PUSH BUTTONS



P9CPLVGD

	Style	Illumination	Cap Colour	Push Button Type	Lens Type
P	9	D			D
	C = Polished chrome X = Round plastic	N = Nonilluminated L = Illuminated	N = Black R = Red V = Green G = Yellow L = Blue B = White A = Orange I = Clear	G = Flush S = Extended E = Recessed	D = Diffused

PILOT LIGHTS



P9XLVD

	Style	Cap Colour	Lens Type
P	9	L	D
	C = Polished chrome X = Round plastic	R = Red V = Green G = Yellow L = Blue B = White A = Orange I = Clear	D = Diffused



P9CER4RN

MUSHROOM - HEAD PUSH BUTTONS



P9XEC4RN95

	Style	Type	Cap Colour	Cap Colour	Illumination	Add Key Selection (2 digits)	
P	9	E				9	5
	C = Polished chrome X = Round plastic	M = Momentary T = Push/Pull R = Turn-to-reset C = Key-to-reset	3 = 28mm 4 = 40mm 6 = 60mm	N = Black R = Red V = Green G = Yellow L = Blue B = White A = Orange I = Clear	N = Nonilluminated A = Positive-action nonilluminated L = Illuminated	If required	



P9CS10N

KNOB & LEVER - OPERATED SELECTOR SWITCHES

	Style	Operator Type	Style	Spring Return	Cap Colour
P	9	S			
	C = Polished chrome X = Round plastic	M = Knob V = Level I = Illuminated Knob	D, I or H = 2-position E, L, U or Z = 3-position X = 4-position Y or W = 5-position	0 = Fixed 1 = From left 3 = From left & right 5 = From right	N = Black R = Red V = Green G = Yellow L = Blue B = White A = Orange I = Clear

P9 SELECTION GUIDE



P9CSCZ5A95

KEY - OPERATED SELECTOR SWITCHES

P	9	Style	S	C	Cam	Spring Return	Key Removal	Key Selection	9	5
		C = Polished chrome X = Round plastic			D, I or H = 2-position E, L, U or Z = 3-position X = 4-position	0 = Fixed 1 = From left & right	See key removal table	See key selection table on page ???		

Key Removal Position

2 & 3 Position Key Operators																		
L	-	C	-	R	-	L-C	-	L-R	-	-	C-R	-	-	-	L-C-R	-	-	-
4 Position Key Operators																		
2L	L	-	R	2R	2L-L	-	2L-R	2L-2R	L-R	L-2R	-	2-2R	2L-L-R	2L-L-2R	-	2L-R-2R	2L-R-2R	2L-L-R-2R
Key Removal Code																		
A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U	V	Z



P9XN2T

PILOT LIGHTS

P	9	Style	Operator Type	Operator-Specific Digits For Various Options		
		C = Polished chrome X = Round plastic	M = Joystick C = Toggle switch W = Wobble stick Z = Potentiometer operator R = Reset push button B = Buzzer			



P9PLNVNL

POWER SUPPLIES

P	9	P	Type	Style	Terminal Type	Voltage	Lamp
			D = Full voltage T = Transformer R = Resistor	N = Normal D = Diode L = Long life T = Test M = Multi-function (continuous / blinking) H = For use with Logic Reed Flange	V = Standard screw F = Quick-connect B = Base-mount screw	See voltage table below	L = LED

Voltage																		
No lamp	6	12	24	48	60	110	120	110-120	130	220	220-240	220-250	280	380	415-440	480-500	550-600	
Voltage Code																		
0	A	B	D	G	H	I	J	J	L	M	N	N	R	U	W	Y	Z	



P9PDNV0

CONTACT BLOCKS

P	9	B	Normally Open Contacts	Normally Closed Contacts	Terminal Type	Contact Type
			0 = 0NO 1 = 1NO	0 = 0NO 1 = 1NO	V = Standard screw B = Base-mount screw	N = Standard A = Early make R = Late opening



P9B01VN





P9 PUSHBUTTON - COMPLETE UNITS



P9XPN52002



P9XUVDD0



P9XLD52620



P9XPL52531



P9PL52514

PUSHBUTTON - COMPLETE WITH CONTACT BLOCK

Description	Plastic Part No.
Green Flush Pushbuttons + 1 N/O Contact	P9XPN52002
Red Flush Pushbuttons + 1 N/C Contact	P9XPN52011

PILOT LIGHTS - LAMP

Unibloc - Complete Unit	Part No.
Full Voltage Less Lamp (Lamp refer page 282)	P9XU*DD0
Resistor 240V incl. Lamp	P9XU*DRN

PILOT LIGHTS - LED

Description	Article No.	Plastic Part No.
Red C/W Flange & 24V AC/DC Integrated Led	152621	P9XLD52621
Green C/W Flange & 24V AC/DC Integrated Led	152620	P9XLD52620

ILLUMINATED - PUSHBUTTON (C/W FLANGE & 24V AC/DC INTEGRATED LED + 1X CONTACT)

Colour	Article No.	Plastic Part No.
Green 1 N/O contact block	152530	P9XPL52530
Red 1 N/C contact block	152531	P9XPL52531

COMPLETE - ILLUMINATED - PUSHBUTTON (C/W FLANGE & FULL VOLT. LAMP HOLDER, NO BULB) + CONTACT

Colour	Article No.	Plastic Part No.
White 1 N/O + 1 N/C contact block	152513	P9XPL52513
Green 1 N/O + 1 N/C contact block	152514	P9XPL52514
Red 1 N/O + 1 N/C contact block	152515	P9XPL52515

P9 PUSHBUTTON - COMPONENTS

Features:

- Round Chrome or black operators.
- Contact blocks utilise a patented snap-on flange which ensures fast and easy assembly.
- Fingersafe IP20 contacts as standard.
- Suitable for low energy switching (12V - 5mA minimum).



P9CPNRG



P9XPNRS



P9CER4RN



P9XEC4RN95



P9B01VN

OPERATOR

PUSHBUTTONS OPERATOR MOMENTARY

Style	Colour	Article No.	Chrome Part No.
Flush Button			P9CPN*G
Extended Button			P9CPN*S
Mushroom 40mm	Red	190041	P9CEM4RN
Mushroom 40mm	Green	190042	P9CEM4VN
Mushroom 60mm	Green	190052	P9CEM6VN

Style	Colour	Article No.	Plastic Part No.
Flush Button			P9XPN*G
Extended Button			P9XPN*S
Mushroom 40mm	Red	185041	P9XEM4RN
Mushroom 40mm	Green	185042	P9XEM4VN

*To complete Part No. insert required colour code.

Cap Colour	Black	Red	Green	Yellow	Brown	Blue	White
Insert Letter	N	R	V	G	M	L	B

PUSHBUTTONS EMERGENCY STOP OPERATOR - RED MUSHROOM

Style	Mushroom Red-Dia	Article No.	Chrome Part No.
Push-Pull to Release	40mm	190061	P9CET4RN1
Push-Twist to Release	28mm	190070	P9CER3RN
Push-Twist to Release	40mm	190071	P9CER4RN
Push-Key to Release	40mm	190073	P9CEC4RN95

Style	Mushroom Red-Dia	Article No.	Plastic Part No.
Push-Pull to Release	40mm	185061	P9XET4RN1
Push-Twist to Release	28mm	185070	P9XER3RN
Push-Twist to Release	40mm	185071	P9XER4RN
Push-Key to Release	40mm	185074	P9XEC4RN95

CONTACT BLOCKS - SNAP ON

Contacts	Article No.	Part No.
1 x Normally Open	187002	P9B10VN
1 x Normally Open - Early Make	187004	P9B10VA
2 x Normally Open	187009	P9B20VN
1 x Normally Closed	187001	P9B01VN
1 x Normally Closed - Late Break	187003	P9B01VR
2 x Normally Closed	187008	P9B02VN
1 x Normally Open + 1xNormally Closed	187000	P9B11VN



P9 PILOT LIGHTS - COMPONENTS

Features:

- Round chrome, or black plastic operators - standard or Unibloc.
- Modules utilise a patented snap-on flange which ensures fast and easy assembly.

Superbright Integral LED option:

- Very low heat dissipation.
- Very long life.
- Excellent colour utilising diffused lens.



P9XLVD



P9PLNVNL



P9PDNV0



BA9S240



BA9S24LR

OPERATOR

PILOT LIGHT OPERATOR WITH DIFFUSED LENS

Chrome Part No.
P9CL*D
Plastic Part No.
P9XL*D

INTEGRAL LED MODULES

(COMPLETE UNIT = P9CL*D + LED OR P9XL*D + LED)

Type	Part No.
LED 24V AC/DC	P9PLNVD*
LED 110-120V AC	P9PLNVJ*
LED 220-240V AC	P9PLNVN*

*To complete Part No. insert required colour code.

Lens Colour	Red	Green	Yellow	Blue	White
Insert Letter	R	V	G	L	B

LAMP HOLDER MODULES

Description	Lamp Fitted	Part No.
Full voltage AC/DC max. 380V 2W	Not included	P9PDNV0
Resistor + Diode 240V AC	130V 2W	P9PRDVN
Resistor 240V AC/DC	130V 2W	P9PRNVN
Test full voltage AC/DC max. 380V 2W	Not included	P9PDTV0
Test Resistor 240V AC/DC	130V 2W	P9PRTVN
Transformer 50/60 HZ	6V 1.5W	P9PTNV*

*To complete Part No. add voltage suffix, 110V-J, 240V-N, 415V-W

LAMP SELECTION

Type BA9s	Part No.
Filament	BA9S (voltage)
Available voltages 6.3, 12, 24, 30, 130 & 240V	
Neon - clear	BA9SN (voltage)
Available voltages 110 & 240V	
Multi LED	BA9S (voltage)
Available voltages 6, 12, 24, 110 & 230V	LED (colour)

P9 ILLUMINATED PUSHBUTTONS - COMPONENTS



P9CPLVGD



P9XPLRSD



P9PLNVNL



P9PDNV0



BA9S24LR

PUSHBUTTONS ILLUMINATED

Style	Article No.	Chrome Part No.
Momentary Flush Button	-	P9CPL*GD
Extended Button	-	P9CPL*SD
Push/Pull to	190561	P9CET4RL1
Release Mushroom (40mm Red)		

Style	Article No.	Plastic Part No.
Momentary Flush Button	-	P9XPL*GD
Extended Button	-	P9XPL*SD
Push/Pull to	185561	P9XET4RL1
Release Mushroom (40mm Red)		

*To complete Part No. insert required colour code.

Lens Colour	Red	Green	Yellow	Orange	Blue	White	Clear
Insert Letter	R	V	G	A	L	B	I

INTEGRAL LED MODULES (COMPLETE UNIT = OPERATOR + LED)

Type	Part No.
LED 24V AC/DC	P9PLNVD*
LED 110-120V AC	P9PLNVJ*
LED 220-240V AC	P9PLNVN*

*To complete Part No. insert required colour code.

Lens Colour	Red	Green	Yellow	Blue	White
Insert Letter	R	V	G	L	B

LAMP HOLDER MODULES (COMPLETE UNIT = OPERATOR + HOLDER + LAMP)

Description	Lamp Fitted	Part No.
Full voltage AC/DC max. 380V 2W	Not included	P9PDNV0
Resistor + Diode 240V AC	130V 2W	P9PRDVN
Resistor 240V AC/DC	130V 2W	P9PRNVN
Test full voltage AC/DC max. 380V 2W	Not included	P9PDTV0
Test Resistor 240V AC/DC	130V 2W	P9PRTVN
Transformer 50/60 HZ	6V 1.5W	P9PTNV*

*To complete Part No. add voltage suffix, 110V-J, 240V-N, 415V-W

LAMP SELECTION

Type BA9s	Part No.
Filament	BA9S
Available voltages 6.3, 12, 24, 30, 130 & 240V	(voltage)
Neon - clear	BA9SN
Available voltages 110 & 240V	(voltage)
Multi LED	BA9S
Available voltages 6, 12 & 24V(voltage) L*	



P9 CONTROL DEVICES



P9PL52514



P9DPLVRG00



P9XRG



P9CZ



P9XBD

CONTACT BLOCKS - SNAP ON

Contacts	Article No.	Part No.
1 x Normally Open	187002	P9B10VN
1 x Normally Open - Early Make	187004	P9B10VA
2 x Normally Open	187009	P9B20VN
1 x Normally Closed	187001	P9B01VN
1 x Normally Closed - Late Break	187003	P9B01VR
2 x Normally Closed	187008	P9B02VN
1 x Normally Open + 1 x Normally Closed	187000	P9B11VN

DOUBLE FUNCTION PUSHBUTTONS - IP40

Momentary White	Article No.	Part No.
Green/Red Flush with Lens	186881	P9DPLVRG00
Green/Red Flush with Lens & Symbols	186891	P9DPLVRG01
Clear Cap for IP66 Protection	173208	080CPDT

RESET PUSHBUTTONS (MECHANICAL) - IP66

White Symbol on Blue	Article No.	Part No.
Round, Black Plastic	185771	P9XRG
Round, Chrome	190771	P9CRG
Extended Screw 80-170mm	187844	P9ACVLR

POTENTIOMETER OPERATOR - IP66

Black Knob	Article No.	Part No.
Round, Black Plastic Operator	185772	P9XZ*
Round, Chrome Operator	190772	P9CZ*

*Potentiometer not included.

BUZZER

Black with Bittonal Sound	Article No.	Part No.
24V AC/DC	185773	P9XBD
110-240V AC/DC (80db at 1m)	185774	P9XBM

P9 SELECTOR SWITCHES - COMPONENTS

All units are supplied as operators & contact blocks

All P9 switches have operating cams for a specific switching sequence type, the following tables have been designed to simply select the switch for your requirements

1 - Select operator type based on switching movement & contact switching sequence.

2 - Add the contact blocks shown positioned in the flange to achieve the correct switching operation.



Operator



Contact Block

*To complete Part No. insert required colour code

Lens Colour	Black	Red	Green	Yellow
Insert Letter	N	R	V	G

Positioning of Contact Blocks



CONTACT BLOCKS - SNAP ON

Contact type	Article No.	Part No.
B10 1 x Normally Open	187002	P9B10VN
B10 1 x Normally Open - Early Make	187004	P9B10VA
B20 2 x Normally Open	187009	P9B20VN
B01 1 x Normally Closed	187001	P9B01VN
B11 1 x Normally Closed - Late Break	187003	P9B01VR
B02 2 x Normally Closed	187008	P9B02VN
B11 1 x Normally Open + 1 x Normally Closed	187000	P9B11VN



2 POSITION SELECTOR SWITCHES - OPERATOR ONLY



P9CS10N



P9XSLDOR



P9CSCZ5A95

CHROME

Operator	Part No.
FIXED	
Knob - black	P9CSMD0N
Illuminated Knob	P9CSLD0*
Lever - black	P9CSVD0N
Key out I	P9CSCD0A95
Key out I-II	P9CSCD0K95

Switching sequence	Contact type	Contact Position on flange
		2 3 1

Operator	Part No.
FIXED	
Knob - black	P9CSMI0N
Lever - black	P9CSV10N
Key out 0	P9CSC10C95
SPRING RETURN	
Knob	P9CSMI5N
Lever	P9CSV15N
Key out 0	P9CSC15C95
S/R 0	

Switching sequence	Contact type	Contact Position on flange
		2 3 1

2 POSITION SELECTOR SWITCHES - OPERATOR ONLY



P9XCD



P9CSDLDR



P9CS10N



P9XSM1.5N

BLACK PLASTIC

	Part No.
2 Positions - Maintained	P9XCD

3 Positions - Maintained	P9XCB
--------------------------	--------------

Position	Switching sequence	Contact type	Contact Position on flange			
<table border="1"> <tr><td>1</td></tr> <tr><td>2</td></tr> </table>	1	2		B11		
1						
2						
<table border="1"> <tr><td>1</td></tr> <tr><td>0</td></tr> <tr><td>2</td></tr> </table>	1	0	2		B11	
1						
0						
2						

Operator	Part No.
FIXED	
Knob - black	P9XSMD0N
Illuminated Knob	P9XSLD0*
Lever - black	P9XSVD0N
Key out I	P9XSCD0A95
Key out I-II	P9XSCD0K95

Position	Switching sequence	Contact type	Contact Position on flange
		B10	
		B10 B01	
		B11	

Operator	Part No.
FIXED	
Knob - black	P9XSM10N
Lever - black	P9XSV10N
Key out 0	P9XSC10C95
Key out I-0	P9XSC10N95
SPRING RETURN	
Knob	P9XSM15N
Lever	P9XSV15N
Key out 0	P9XSC15C95
S/R* 0	

Position	Switching sequence	Contact type	Contact Position on flange
		B11	

*ADD Contact Block in Black Positions Shown
 *S/R = Spring Return
 L = Left
 C = Centre
 R = Right

*To complete Part No. insert required colour code.

Lens Colour	Black	Red	Green	Yellow
Insert Letter	N	R	V	G



3 POSITION SELECTOR SWITCHES - OPERATOR ONLY



P9CSVE0N



P9CSMZ0N



P9CSCZ5A95

CHROME

Type	Part No.
FIXED	
Knob - black	P9CSMZ0N
Illum. Knob - red	P9CSLZ0R
Lever - black	P9CSVZ0N
Key out I-0-II	P9CSCZ0T95
SPRING RETURN	
Knob S/R L-C	P9CSMZ1N
Lever - S/R L-C	P9CSVZ1N
Key out I S/R R-C	P9CSCZ5A95
Knob S/R C	P9CSMZ3N

Switching	Switching sequence	Contact type	Contact Position on flange
		B10 13-14 B10 23-24	2 3 1 ■ □ ■
		B11 13-14 B11 11-12 B11 23-24 B11 21-22	■ □ ■
		B10 13-14 B01 21-22	■ □ ■

Type	Part No.
FIXED	
Lever - black	P9CSVE0N
Key out I	P9CSCE0A95
Key out 0	P9CSCE0C95
Key out I-0-II	P9CSCE0T95

Switching	Switching sequence	Contact type	Contact Position on flange
		B11 13-14 B11 11-12	□ □ ■

3 POSITION SELECTOR SWITCHES - OPERATOR ONLY



P9XSL20R



P9XSCZ5A95



P9CSC15C95



P9XSME0N

BLACK PLASTIC

Type	Part No.
FIXED	
Knob - black	P9XSMZ0N
Illum. Knob - red	P9XSLZ0R
Illum. Knob - green	P9XSLZ0V
Lever - black	P9XSVZ0N
Key out I-O-II	P9XSCZ0T95
SPRING RETURN	
Knob - S/R L-C	P9XSMZ1N
Lever - black	P9XSVZ1N
Key out I	P9XSCZ5A95
Knob - S/R C	P9XSMZ3N
Lever - S/R C	P9XSVZ3N
Key out O S/R C	P9XSCZ3C95

Switching	Switching sequence	Contact type	Contact Position on flange
		B11 13-14 11-12 23-24 21-22	2 3 1
		B10 B01 13-14 21-22	
		B10 B10 13-14 23-24	

Type	Part No.
FIXED	
Knob - black	P9XSME0N
Key out I	P9XSCZ0A95
Key out O	P9XSCZ0C95
Key out I-O-II	P9XSCZ0T95

Switching	Switching sequence	Contact type	Contact Position on flange
		B11 13-14 11-12	2 3 1



4 POSITION & JOYSTICK - OPERATOR ONLY



P9CSVD0N



P9XSMX0N



P9XN2T

4 POSITION

Type	Part No.
CHROME	
Knob black	P9CSMX0N

BLACK PLASTIC	
Knob black	P9XSMX0N

Switching	Switching sequence	Contact type	Contact Position on flange
			2 3 1

JOYSTICKS

2 POSITION WITH CENTRAL ZERO

Type	Part No.
Trans Positions	P9XMN2T
Fixed Positions	P9XMN2B

Switching	Switching sequence	Contact type	Contact Position on flange
			2 3 1

4 POSITION WITH CENTRAL ZERO

Type	Part No.
Trans Positions	P9XMN4T

Switching	Switching sequence	Contact type	Contact Position on flange
			2 3 1

P9 ENCLOSED PB STATIONS & ACCESSORIES



189007



189004



187070

START

STOP

PUSHBUTTON STATIONS

	Article No.	Part No.
Equipped Single Units		
Green 1 x NO, Label I	189010	P9EPA01Y02
Emergency Stop, Yellow Cover	189007	P9EPAG1Y01N

Equipped Two Units		
Green/NO, Red NC, Label I - O	189016	P9EPA02Y01

Empty Enclosures		
1 Hole, Yellow Cover	189000	P9EPEG1
1 Hole Grey Cover	189001	P9EPE01
2 Hole Grey Cover	189002	P9EPE02
3 Hole Grey Cover	189003	P9EPE03
4 Hole Grey Cover	189004	P9EPE04
6 Hole Grey Cover	189005	P9EPE06

CONTACT BLOCKS & LAMP HOLDERS - BASE MOUNT

	Article No.	Part No.
Contact Blocks		
1 x Normally Open	187018	P9B10BN
1 x Normally Closed	187017	P9B01BN

Lamp Holders		
Direct max. 380V 2W	187070	P9PDNB0
Res/Diode 240V, 130V 2W Bulb incl	187072	P9PRDBN

ADHESIVE LABELS

	Article No.	Part No.
Text		
START (30 x 20mm)	189031	P9AELN202
STOP	189032	P9AELN201



P9 ACCESSORIES

ACCESSORIES FOR OPERATORS

PUSH ON / PUSH OFF



187843



187841



170198



187845



179526

	Article No.	Part No.
Standard & Illuminated Buttons	187843	P9ACDPP
Use only single pole contact blocks N/O contacts must be early make		

SPARE MOUNTING FLANGE

	Article No.	Part No.
Suits all Operators		
3 Position 30 x 50mm	187841	P9ACFS3
5 Position 50 x 50mm	187842	P9ACFS5

PROTECTION

	Article No.	Part No.
Type		
Collar for 40mm Mushroom PB	187492	P9ARRE4
Padlockable Cover	187840	P9ACRCL
Rubber Protective Cap - Flush Clear	170198	080CPT

TOOLS

	Article No.	Part No.
Type		
Locking Ring Wrench	187845	P9ACWAF
Lamp Extractor	170212	080ESL
Spare Key	173015	077C3095

30mm HOLE ADAPTOR

	Article No.	Part No.
30-22mm Adaptor Plastic	188803	P9ARAX32

LEGEND PLATES EMERGENCY STOP

	Article No.	Part No.
Type		
59mm "EMERGENCY STOP"	179526	080XTGR02
78mm "EMERGENCY STOP"	179536	080XTG802

P9 ACCESSORIES



LEGEND PLATES AND HOLDERS

	Article No.	Part No.
Standard 30 x 50mm		
Black/Red, White text	188000	P9ARTBS
White, Black text	188005	P9ARTWS
Standard 45 x 50mm		
Black/Red, White text	188001	P9ARTBM
White, Black text	188008	P9ARTWM

ENGRAVED INSERTS FOR 30 x 50 HOLDERS

Text	Article No.	Part No.
Blank Black/Red	188015	P9ACPBS
Blank White/Black	188017	P9ACPWS
STOP	188201	P9ACPBS201
START	188202	P9ACPBS202
DOWN	188203	P9ACPBS203
UP	188204	P9ACPBS204
Forward Reverse	188231	P9ACPBS231
Stop Start	188232	P9ACPBS232
Off On	188233	P9ACPBS233
Open Close	188234	P9ACPBS234
Forward O Reverse	188239	P9ACPBS239
Hand Auto	188243	P9ACPBS243
Man Off Auto	188269	P9ACPBS269



YW SERIES UNIBODY PILOT LIGHTS - IP65

Features:

- Light weight construction.
- High Brightness LED.
- 42mm depth behind panel.
- Wide viewing lens angle.
- IP20 finger safe terminals.



FLUSH TYPE



DOME TYPE

UNIBODY PILOT LIGHTS

Voltage	Colour	DOME	FLUSH
		Part No.	Part No.
Unibody pilot lights with built-in LED			
12V AC/DC	Amber	-	YW1P-1BUQ3A
	Green	-	YW1P-1BUQ3G
	White	-	YW1P-1BUQ3PW
	Red	-	YW1P-1BUQ3R
	Blue	-	YW1P-1BUQ3S
	Yellow	-	YW1P-1BUQ3Y

Voltage	Colour	Part No.	Part No.
		Unibody pilot lights with built-in LED	
24V AC/DC	Amber	YW1P-2UQ4A	YW1P-1BUQ4A
	Green	YW1P-2UQ4G	YW1P-1BUQ4G
	White	YW1P-2UQ4PW	YW1P-1BUQ4PW
	Red	YW1P-2UQ4R	YW1P-1BUQ4R
	Blue	YW1P-2UQ4S	YW1P-1BUQ4S
	Yellow	YW1P-2UQ4Y	YW1P-1BUQ4Y

Voltage	Colour	Part No.	Part No.
		Unibody pilot lights with built-in LED	
100/110V AC	Amber	YW1P-2UQHA	YW1P-1BUQHA
	Green	YW1P-2UQHG	YW1P-1BUQHG
	White	YW1P-2UQHPW	YW1P-1BUQHPW
	Red	YW1P-2UQHR	YW1P-1BUQHR
	Blue	YW1P-2UQHS	YW1P-1BUQHS
	Yellow	YW1P-2UQHY	YW1P-1BUQHY

Voltage	Colour	Part No.	Part No.
		Unibody pilot lights with built-in LED	
230/240V AC	Amber	YW1P-2UQM3A	YW1P-1BUQM3A
	Green	YW1P-2UQM3G	YW1P-1BUQM3G
	White	YW1P-2UQM3PW	YW1P-1BUQM3PW
	Red	YW1P-2UQM3R	YW1P-1BUQM3R
	Blue	YW1P-2UQM3S	YW1P-1BUQM3S
	Yellow	YW1P-2UQM3Y	YW1P-1BUQM3Y

YW SERIES PILOT LIGHTS - IP65

Features:

- Compact light weight construction.
- IP20 finger safe terminals.
- High Brightness LED - low heat and long life.
- Matted lense surface to reduce light reflection.
- Wide viewing lens angle.



DOME PILOT LIGHT



DOME / TRANSFORMER PILOT LIGHT

PILOT LIGHTS (REPLACEMENT LAMP TYPE)

Voltage	Colour	Part No.
24V AC/DC	DOME Type - LED LAMP included	
	Amber	YW1P-2EQ4A
	Green	YW1P-2EQ4G
	Red	YW1P-2EQ4R
	Blue	YW1P-2EQ4S
	White	YW1P-2EQ4PW
	Yellow	YW1P-2EQ4Y

Voltage	Colour	Part No.
Select BA9S lamp from accessories page 321	DOME Type - LAMP not included	
	Amber	YW1P-2EQ0A
	Green	YW1P-2EQ0G
	Red	YW1P-2EQ0R
	Blue	YW1P-2EQ0S
	White	YW1P-2EQ0W
	Yellow	YW1P-2EQ0Y

PILOT LIGHTS (TRANSFORMER TYPE)

Voltage	Colour	Part No.
230/240V AC (Transformer converts 230/240VAC to 6VAC)	DOME Type - LED LAMP included	
	Amber	YW1P-2EM42A
	Green	YW1P-2EM42G
	Red	YW1P-2EM42R
	Blue	YW1P-2EM42S
	White	YW1P-2EM42PW
	Yellow	YW1P-2EM42Y

Voltage	Colour	Part No.
100/110V AC (Transformer converts 100/110VAC to 6VAC)	DOME Type - LED LAMP included	
	Amber	YW1P-2EH2A
	Green	YW1P-2EH2G
	Red	YW1P-2EH2R
	Blue	YW1P-2EH2S
	White	YW1P-2EH2PW
	Yellow	YW1P-2EH2Y



YW SERIES PUSHBUTTONS - IP65

Features:

- Compact light weight construction.
- IP20 finger safe terminals.
- Retained locking lever.
- Reliable self-cleaning contacts.
- Up to 6 contacts possible on non-ill. units (3x double contact blocks).
- Up to 4 contacts possible on ill. units (2x double contact blocks).



FLUSH PUSHBUTTON



40mm MUSHROOM PUSHBUTTON



PUSHBUTTON - FLUSH TYPE

Operation	Contact	Colour	Part No.
NON-illuminated			
Momentary	1NO	Black	YW1B-M1E10B
	1NO	Green	YW1B-M1E10G
	1NC	Red	YW1B-M1E01R
	1NO	Red	YW1B-M1E10R
	1NO	Blue	YW1B-M1E10S
	1NO	White	YW1B-M1E10W
	1NO	Yellow	YW1B-M1E10Y

Operation	Contact	Colour	Part No.
NON-illuminated			
Maintained	1NO	Black	YW1B-A1E10B
	1NO	Green	YW1B-A1E10G
	1NO	Red	YW1B-A1E10R
	1NO	Blue	YW1B-A1E10S
	1NO	White	YW1B-A1E10W
	1NO	Yellow	YW1B-A1E10Y

PUSHBUTTON - 40mm MUSHROOM HEAD

Operation	Contact	Colour	Part No.
NON-illuminated			
Momentary	1NO	Black	YW1B-M4E10B
	1NO	Green	YW1B-M4E10G
	1NO	Red	YW1B-M4E10R
	1NC	Red	YW1B-M4E01R
	1NO	Blue	YW1B-M4E10S
	1NO	Yellow	YW1B-M4E10Y

Operation	Contact	Colour	Part No.
Illuminated - LAMP Not included*			
Momentary	1NO	Amber	YW1L-M4E10Q0A
	1NO	Green	YW1L-M4E10Q0G
	1NO	Red	YW1L-M4E10Q0R
	1NO	Blue	YW1L-M4E10Q0S
	1NO	Yellow	YW1L-M4E10Q0Y

*Select BA9S lamp up to 250V AC/DC from accessories.

YW SERIES PUSHBUTTONS - IP65

Features:

- Compact light weight construction.
- IP20 finger safe terminals.
- Retained locking lever.
- Reliable self-cleaning contacts.
- Up to 4 contacts possible on ill. units (2x double contact blocks).



EXTENDED PUSHBUTTON



FULL SHROUD PUSHBUTTON

ILLUMINATED PUSHBUTTON - EXTENDED

Voltage	Contact	Colour	Part No.
LED LAMP INCLUDED			
24V AC/DC	1NO+1NC	Amber	YW1L-M2E11Q4A
		Green	YW1L-M2E11Q4G
		Red	YW1L-M2E11Q4R
		Blue	YW1L-M2E11Q4S
		White	YW1L-M2E11Q4PW
		Yellow	YW1L-M2E11Q4Y

Voltage	Contact	Colour	Part No.
LED LAMP INCLUDED			
230/240V AC	1NO+1NC	Amber	YW1L-M2E11QM3A
		Green	YW1L-M2E11QM3G
		Red	YW1L-M2E11QM3R
		Blue	YW1L-M2E11QM3S
		White	YW1L-M2E11QM3PW
		Yellow	YW1L-M2E11QM3Y

ILLUMINATED PUSHBUTTON - FULL SHROUD

Voltage	Contact	Colour	Part No.
LED LAMP INCLUDED			
24V AC/DC	1NO+1NC	Amber	YW1L-MF2E11Q4A
		Green	YW1L-MF2E11Q4G
		Red	YW1L-MF2E11Q4R
		Blue	YW1L-MF2E11Q4S
		White	YW1L-MF2E11Q4PW
		Yellow	YW1L-MF2E11Q4Y

Voltage	Contact	Colour	Part No.
LED LAMP INCLUDED			
230/240V AC	1NO+1NC	Amber	YW1L-MF2E11QM3A
		Green	YW1L-MF2E11QM3G
		Red	YW1L-MF2E11QM3R
		Blue	YW1L-MF2E11QM3S
		White	YW1L-MF2E11QM3PW
		Yellow	YW1L-MF2E11QM3Y



YW SERIES SELECTOR SWITCHES - IP65

Features:

- Compact light weight construction.
- IP20 finger safe terminals.
- Retained locking lever.
- Up to 6 contacts possible on non-ill. units (3x double contact blocks).



SELECTOR SWITCH



KEY SELECTOR SWITCH



E-STOP - NON-ILLUMINATED



E-STOP STATION

SELECTOR SWITCH

Operation	Contact	Part No.
2 POSITION		
Maintained	1NO	YW1S-2E10
Spring return from Right	1NO	YW1S-21E10

Operation	Contact	Part No.
3 POSITION		
Maintained	2NO	YW1S-3E20
Spring return from Right	2NO	YW1S-31E20
Spring return from Left	2NO	YW1S-32E20
Spring return two way	2NO	YW1S-33E20

KEY SELECTOR SWITCH

Operation	Contact	Part No.
KEY, 2 POSITION		
Maintained	1NO+1NC	YW1K-2AE11
Spring return from Right	1NO+1NC	YW1K-21BE11

Operation	Contact	Part No.
KEY, 3 POSITION		
Maintained	2NO	YW1K-3AE20
Spring return from Right	2NO	YW1K-31BE20
Spring return from Left	2NO	YW1K-32CE20
Spring return two way	2NO	YW1K-33DE20

EMERGENCY STOP - PUSHLOCK, PULL/TURN RESET 40mm Mushroom Head Pushbutton

Contact	Part No.
NON - Illuminated - Colour RED	
1NC	YW1B-V4E01R

LED Voltage	Contact	Part No.
Illuminated - Colour RED		
24V AC/DC	1NC	YW1L-V4E01Q4R
230/230 VAC	1NC	YW1L-V4E01QM3R

EMERGENCY STOP STATION

Contact	Part No.
NON - Illuminated, Pushlock, Pull/Turn Reset - Colour RED	
1NC	FB-YW-V4E01-HWAV

E-Stop label included.

HW SERIES PUSHBUTTONS - IP65

Features:

- Locking lever, removable contact blocks.
- Fingersafe contacts.
- Tamperproof construction.
- Up to 4 contact blocks possible for non-illuminated pushbuttons.



HW1B-M1F10W-K



HW1B-V4F01R-K



HW1L-M1F11G-K



HW1L-M1F11G-K

HW SERIES - MOMENTARY NON-ILLUMINATED PUSHBUTTONS (COMPLETE UNITS)

Style	Button		Part No.
	Colour	Contact	
Round Flush Kit	Green	1NO	HW1B-M1F10G-K
	Black	1NO	HW1B-M1F10B-K
	Yellow	1NO	HW1B-M1F10Y-K
	Blue	1NO	HW1B-M1F10S-K
	Red	1NC	HW1B-M1F01R-K
Mushroom 40mm	Red	1NC	HW1B-M4F01R-K
Reset Button	Blue		HW1B-M1RS-ST-R

EMERGENCY STOP PUSHBUTTONS - RED MUSHROOM (COMPLETE UNITS)

Style	Mushroom		Part No.
	Red-Dia.	Contact	
Push-Pull	40mm	1NC	HW1B-Y2F01R-K
Pushlock Turn Reset	29mm	1NC	HW1B-V3F01R-K
Pushlock Turn Reset	40mm	1NC	HW1B-V4F01R-K
Pushlock Key Reset	40mm	1NC	HW1B-X4F01R-K
Unibody Pushlock Turn Reset	40mm	1NO-1NC	HW1E-BV411-R
Unibody Pushlock Turn Reset	40mm	2NC	HW1E-BV402-R

MOMENTARY ILLUMINATED PUSHBUTTONS - FULL VOLTAGE (COMPLETE UNITS)

Style	Lens		Part No.
	Colour	Contact	
Round Flush Illuminated (Less Lamp)	Green	1NO-1NC	HW1L-M1F11G-K
	Amber	1NO-1NC	HW1L-M1F11A-K
	Blue	1NO-1NC	HW1L-M1F11S-K
	Red	1NO-1NC	HW1L-M1F11R-K
Round Extended Illuminated (Less Lamp)	Green	1NO-1NC	HW1L-M2F11G-K
	Amber	1NO-1NC	HW1L-M2F11A-K
	Blue	1NO-1NC	HW1L-M2F11S-K
	Red	1NO-1NC	HW1L-M2F11R-K

Other combinations can be ordered by components.

Select lamp from table below and add price.

MOMENTARY ILLUMINATED PUSHBUTTONS - TRANSFORMER 240/6V TYPE (COMPLETE UNITS)

Style	Button		Part No.
	Colour	Contact	
Round Flush Illuminated (Less Lamp)	Green	1NO-1NC	HW1L-M1F11M4G-K
	Red	1NO-1NC	HW1L-M1F11M4R-K
Round Extend Illuminated (Less Lamp)	Red	1NO-1NC	HW1L-M2F11M4R-K

(1) Select 6V LED or Incandescent Lamp from component list below and add price.

(2) For 110/6V transformer type units please contact IPD.



HW SERIES SELECTOR SWITCHES / PILOT LIGHTS



HW1S-2TF11-K



HW1K-2AF11-K

Features:

- Full voltage or transformer type.
- Choice of incandescent or LED Lamp.
- Incandescent - low cost option with long life.
- Superbright LED's - low heat dissipation, long life.



HW1P-2FQY-K



IS-6



LSTD-2R

HW SERIES - SELECTOR SWITCHES

Operation	Contact	Part No.
2 Position		
Maintained	1NO	HW1S-2TF10-K
Maintained	1NO-1NC	HW1S-2TF11-K

3 Position

Maintained	2NO	HW1S-3TF20-K
------------	-----	---------------------

Illuminated selector switch available on request.

HW SERIES - KEY SELECTOR SWITCHES

Operation	Contact	Part No.
2 Position		
key removable in all positions	1NO-1NC	HW1K-2AF11-K

3 Position

key removable in centre	2 NO	HW1K-3DF20-K
-------------------------	------	---------------------

HW SERIES - PILOT LIGHTS FULL VOLTAGE COMPLETE LESS LAMP (COMPLETE UNITS)

Lens Colour	Round Flush Part No.
Green	HW1P-1FQGL-K
Amber	HW1P-1FQA-K
Blue	HW1P-1FQS-K
Red	HW1P-1FQR-K

Lens Colour	Round Dome Part No.
Green	HW1P-2FQGL-K
Amber	HW1P-2FQA-K
Blue	HW1P-2FQS-K
Red	HW1P-2FQR-K

Select LED or Incandescent Lamp from list below and add price.

INCANDESCENT AND SUPERBRIGHT LED'S (BA9)

Incandescent

Rating	Part No.
6.3V AC/DC, 1W	IS-6
24V AC/DC, 1W	IS-24

LED

Rating	LED Part No. (+)
6V AC/DC, 20mA	LSTD-6(+)
24V AC/DC, 20mA	LSTD-2(+)
120V AC, 10mA	LSTD-H2(+)
240V AC, 10mA	LSTD-M4(+)

(2) Blue LED's **POA.**

110V AC/DC LED's available on request [Part No. LSED-H (+)].

(+) Add Colour Suffix - A - (Amber), G - (Green), R - (Red), S - (Blue), W - (White), Y - (Yellow).

HW & YW SERIES ACCESSORIES



CONTACT BLOCK



HW-F10



LSED LAMP



HWAM LEGEND



PADLOCK COVER



DIN RAIL ADAPTOR

ACCESSORIES

CONTACT BLOCKS AND MOUNTING ADAPTOR

Contact Blocks (YW Series)	Part No.
1NO	YW-E10
1NC	YW-E01
1NO+1NC - double contact block	YW-EW11
2NO - double contact block	YW-EW20
2NC - double contact block	YW-EW02

Contact Block (HW Series)	Part No.
Normally Open-NO	HW-F10
Normally Closed-NC	HW-F01
Dummy Block	TW-DB
Mounting Adaptor with Safety Lock	HW-CB2C

LED Lamps (BA9S)

6V AC/DC	LSED-6
12V AC/DC	LSED-1
24V AC/DC	LSED-2
110V AC/DC	LSED-H
230/240V AC	LSED-M3

G - Green, R - Red, S - Blue, PW -White, Y - Yellow, A - Amber

Legend Plates

Blank	HWAM-OB
Auto	HWAM-101
Close	HWAM-102
Emergency stop	HWAM-104
Forward	HWAM-106
Off	HWAM-114
On	HWAM-115
Reverse	HWAM-120
Start	HWAM-123
Stop	HWAM-125
Auto-Man	HWAM-201
Off-On	HWAM-212
On-Off	HWAM-213
Hand-Auto	HWAM-206
Run-Jog	HWAM-217
Start-Stop	HWAM-221
Auto-Man-Off	HWAM-301
Auto-Off-Man	HWAM-302
Hand-Off-Auto	HWAM-317

For other legends please contact IPD.

Miscellaneous

Padlock cover	HW9Z-KL1
Din rail adaptor	P9DINRA
Metal - Locking ring wrench	MW9Z-T1
Lamp/LED removal tool	OR-55
Rubber mounting hole plug (22mm)	OB-31
Pushbutton clear boot flush	OC-31
Pushbutton clear boot extended	OC-32



XW SERIES EMERGENCY STOP STATION

Features:

- Safe Break Action.
- Safty Category 4.
- Complies with EN954-1.
- IP65 Rating.
- Dimensions: 76 x 76 x 59.5mm.



FB-XW-BV402-HWAV

EMERGENCY STOP STATION - NON ILLUMINATED

Style	Mushroom	
	Red-Dia	Part No.
Enclosed WITH Emergency Stop label		
Pushlock Pull or Turn Reset - 2NC	40mm	FB-XW-BV402-HWAV
Pushlock Pull or Turn Reset - 2NC/2NO	40mm	FB-XW-BV422-HWAV

Style	Part No.	
Enclosed WITHOUT Emergency Stop label		
Pushlock Pull or Turn Reset - 2NC	40mm	FB1W-XW1E-BV402
Pushlock Pull or Turn Reset - 2NC / 2NO	40mm	FB1W-XW1E-BV422
Pushlock Pull or Turn Reset - 1NC / 1NO	40mm	FB1W-XW1E-BV411

EMERGENCY STOP STATION - ILLUMINATED

Style	Mushroom	
	Red-Dia	Part No.
Enclosed WITHOUT Emergency Stop label, 24V AC/DC		
Pushlock Pull or Turn Reset - 2NC	40mm	FB1W-XW1E-LV402
Pushlock Pull or Turn Reset - 2NC / 2NO	40mm	FB1W-XW1E-LV422
Pushlock Pull or Turn Reset - 1NC / 1NO	40mm	FB1W-XW1E-LV411



FB1W-X4F01R

EMERGENCY STOP STATION - KEYED, NON ILLUMINATED (HW SERIES)

Style	Mushroom	
	Red-Dia	Part No.
Enclosed WITHOUT Emergency Stop label		
Pushlock Key Reset - 1NC	40mm	FB1W-X4F01R



HWAV-27

ACCESSORIES

Emergency Stop Name Plate (yellow)	HWAV-27
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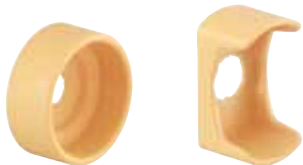
XW SERIES EMERGENCY STOP PUSHBUTTON

Features:

- Safe Break Action.
- Safety Category 4.
- Compact size.
- IP65 Rating.
- Finger-safe (IP20) terminals.
- Illuminated type has built in 24V AC/DC LED.



XW1E-BV411MR



HW9Z-KG2

HW9Z-KG3



FB1W-111Y



W66B1



W66L1H1

RED MUSHROOM 40mm

Description	Part No.
NON - ILLUMINATED (Pushlock, Pull or Turn Reset)	
1NO / 1NC	XW1E-BV411MR
2NC	XW1E-BV402MR
2NO / 2 NC	XW1E-BV422MR
1NO / 3 NC	XW1E-BV413MR
4NC	XW1E-BV404MR

Description	Part No.
ILLUMINATED (Pushlock, Pull or Turn Reset)	
24V AC/DC LED	
1NO / 1NC	XW1E-LV411Q4M-R
2NC	XW1E-LV402Q4M-R
2NO / 2 NC	XW1E-LV422Q4M-R
1NO / 3 NC	XW1E-LV413Q4M-R
4NC	XW1E-LV404Q4M-R

ACCESSORIES

Description	Part No.
Emergency stop name plate (yellow)	HWAV-27

E-STOP SHROUDS

Dimensions (H x W x D), 80 x 64 x 38mm	HW9Z-KG1
Dimensions, Ø 90, height, 36.5mm	HW9Z-KG2
Dimensions (H x W x D), 74 x 42 x 35mm	HW9Z-KG3
Dimensions (H x W x D), 90 x 50 x 35mm	HW9Z-KG4

E-STOP ENCLOSURES (Polycarbonate)

1 x 22mm hole, Yellow lid & Black base (complete enclosure)	
Dimensions (L x W x H), 76 x 76 x 59.5mm	FB1W-111Y*

1 Module W66 back box (Grey - W66L1H1 lid required)	
Dimensions (H x W x D), 101 x 101 x 63mm	W66B1

Modular lid for W66B1	
1 x 22mm hole (Grey)	W66L1H1

*Note: HW9Z-KG3 shroud is suitable for this enclosure only.



LED SIGNAL LIGHT TOWERS

Features:

- Striped design for clear colour illumination.
- High-visibility oval lens.
- Choice of mounting styles (frame mount, wall mount, direct mount and pole mount).
- Flashing cycle - 1.75Hz conforms to IEC60073.
- Alarm - 3.3kHz can be heard 360° degrees. Adjustable volume (70 to 90dB).
- IP65 Steady units.
- IP54 Flashing units.
- Operating Voltage 24V AC/DC.
- Maximum Tiers: 5.



Direct Mount



Pole Mount

LD6A LED SIGNAL LIGHT TOWER

Description	Part No.
"STEADY" - DIRECT MOUNT	
1 Tier	LD6A-1DQB- <input type="checkbox"/>
2 Tier	LD6A-2DQB- <input type="checkbox"/> <input type="checkbox"/>
3 Tier	LD6A-3DQB- <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Description	Part No.
"STEADY" - POLE MOUNT	
1 Tier	LD6A-1PQB- <input type="checkbox"/>
2 Tier	LD6A-2PQB- <input type="checkbox"/> <input type="checkbox"/>
3 Tier	LD6A-3PQB- <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

R (red), Y (yellow), S(blue), G (green), W (white).

Description	Part No.
"STEADY/FLASHING/ALARM" - DIRECT MOUNT	
1 Tier	LD6A-1DZQB- <input type="checkbox"/>
2 Tier	LD6A-2DZQB- <input type="checkbox"/> <input type="checkbox"/>
3 Tier	LD6A-3DZQB- <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Description	Part No.
"STEADY/FLASHING/ALARM" - POLE MOUNT	
1 Tier	LD6A-1PZQB- <input type="checkbox"/>
2 Tier	LD6A-2PZQB- <input type="checkbox"/> <input type="checkbox"/>
3 Tier	LD6A-3PZQB- <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

R (red), Y (yellow), S(blue), G (green), W (white).

Contact IPD for other configurations.

CAM SWITCHES

Features:

- 4-hole fixing.
- Motor rated to IEC947-3.



Function	Current Rating Ith	Number Poles	Part No.
OFF-ON Switches			
OFF - ON	25A	1	CS010T20
		3	CS012T20
		4	CS013T20
	40A	1	CS010T32
		3	CS012T32
		4	CS013T32
80A	1	CS010T63	
	3	CS012T63	

Changeover Switches with OFF

1 - O - 2	25A	2	CS401T20
		3	CS402T20
		4	CS403T20
AUT - O - MAN	25A	2	CS401T20-K
		3	CS402T20-K
		4	CS403T20-K
1 - O - 2	40A	1	CS400T32
		3	CS402T32
		4	CS403T32
1 - O - 2	80A	1	CS400T63
		3	CS402T63
		4	CS403T63

Changeover Switches without OFF

1 - 2	25A	1	CS500T20
		3	CS502T20
Man - Aut	25A	1	CS500T20-K
		3	CS502T20-K

Voltmeter Switches

L1-L2, L2-L3, L3-L1	25A	3	CS701T20
Ph-Ph + Ph-N	25A	3	CS705T20

Ammeter Switches

3 CT's 3 phase	25A	3	CS720T20
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Reversing Switches

3 Phase Reversing	25A	3	CS102T20
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CAM SWITCHES

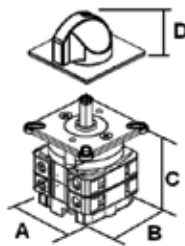
TECHNICAL DATA CAM SWITCHES

According to IEC 947.3

		Size 0	Size 1	Size 2
		T20	T32	T63
Rated Thermal Current (I_{th})	A	25	40	80
Rated Insulation Voltage (U_i)	V	500	690	690
Rated Impulse Withstand Voltage (U_{imp})	kV	6	8	8
Rated Operational Current (I_e)				
	415V AC21A A	25	40	80
	415V AC22A A	25	40	80
	690V AC21A A	-	40	80
	690V AC22A A	-	25	63
Rated Operational Power P_e (AC)				
	3 x 415V AC23A kW	7,5	15	37
	3 x 500V AC23A kW	7,5	15	37
	3 x 690V AC23A kW	-	18.5	45
Rated conditional short-circuit current	kA	10	10	15
Maximum rated back-up fuse (gG)	A	25	50	80
Rated breaking capacity (400V, cos 0.45)	A	100	256	504
Rated short-time withstand current (1sec)	A	400	725	1600
Mech durability (thousand of operations)		1000	1000	1000
Maximum connection capacity	mm ²	2 x 4	2 x 10	16
Rigid copper conductor	mm ²	2 x 2.5	2 x 6	10
Ambient air temperature	°C	-5°...+40°		
Maximum altitude	m	2000	2000	2000
Maximum humidity		90%	90%	90%
Pollution degree		3	3	3
Rated frequency	Hz	50/60	50/60	50/60

Escutcheon sizes: T20 = 50 x 50mm
 T32 = 65 x 65mm
 T63 = 94 x 94mm

DIMENSIONS



Current	No. Poles	A	B	C	D
25A	1P	50	50	38	34
	2P			49	
	3P			61	
	4P			73	
32A	1P	64	64	53	36
	3P			88	
	4P			106	
80A	1P	87	87	63	46
	3P			103	
	4P			123	