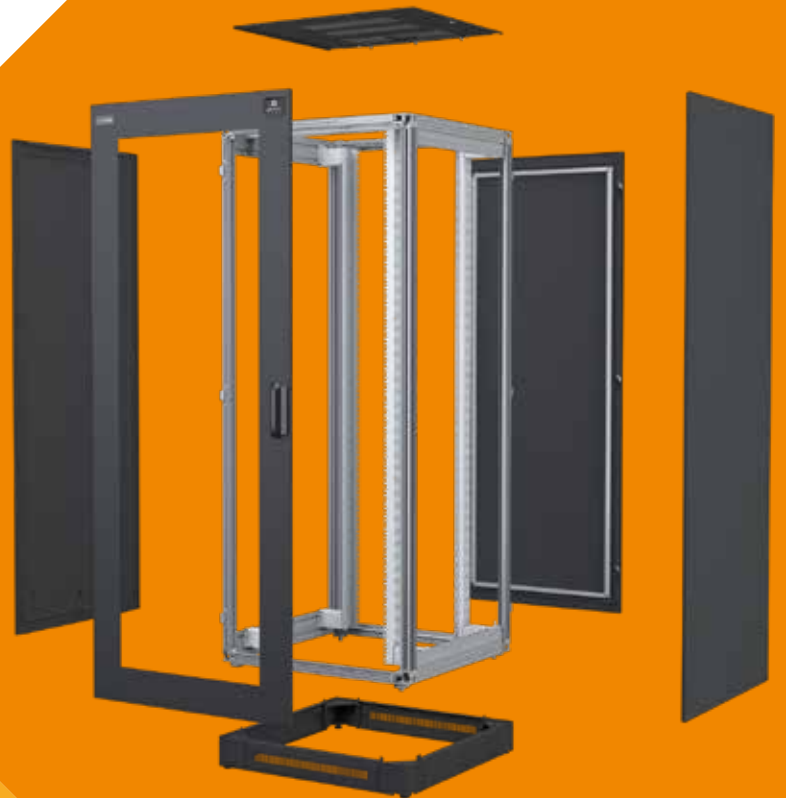




**VERTIV™**

VERTIV™ KNÜRR®  
PRIORITY RANGE



## Vertiv™

Vertiv designs, produces and maintains mission-critical technologies for data centers, communication networks and commercial and industrial environments. Our portfolio includes solutions for electricity supply, thermal and infrastructure management as well as software, and is supplemented by our global service network which enables us to meet all the requirements of the growing mobile and cloud computing markets. The Vertiv team of experts unites global range with local knowledge, and continues the decades-long heritage of brands such as Chloride®, Liebert® and NetSure™. We would be delighted to assist you in meeting even the most complex of challenges and can develop solutions to keep your systems running and move your business forward. Let's work together for a future in which mission-critical technologies always work.

*YOUR VISION, OUR PASSION.*

**VertivCo.de**



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# Priority Range

Additional configuration options are available in our Knürr IT Special Catalog

## Vertiv™ Knürr® MIR2 All-in-One server and network cabinets

- Material**
  - Extruded aluminum profile.
  - Die-cast aluminum corner connectors.
  - Galvanized sheet steel cladding panels.
  - Sheet steel doors.
- Installation dimensions in accordance with IEC 60297-1 and IEC 60297-2**
  - Height: 42 U / 47 U.
- Capacity**
  - Front stowing space 80 mm to 215 mm.
  - Internal hinge: 130° as a cabinet row, 160° as a single cabinet.
- Installation types**
  - Stationary, or mobile.
- Surface/color**
  - Polished base frame
  - Visible panel surfaces.
  - Powder-coated black-gray RAL 7021 and light gray RAL 7035.
- Static load**
  - 8000 N (stationary version).
  - 4000 N (mobile version).
- Tests depending on version**
  - Grounding and protective conductor testing, in accordance with DIN EN 60950.

Configuration table	Dimensions			Doors		19" extrusions		Coverings			Packaging		Color		
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	Cabinet Height	Cabinet Width	Cabinet Depth	Cabinet door Front	Cabinet door Rear	19" Vertical extrusion Front	19" Vertical extrusion Rear	Cabinet cover	Cabinet base	Side panels	Packaging	Stowing depth 19" extrusion / insertion depth	Free	Color	
Vertiv™ Knürr® MIR2 Rack	<b>N=</b> P	<b>B=</b> P	<b>8=</b> P	<b>C=</b> P	<b>A=</b> P	<b>A=</b> P	<b>A=</b> P	<b>H=</b> P	<b>B=</b> P	<b>F=</b> P	<b>B=</b> P	<b>X=</b> P	<b>A=</b> P	<b>X=</b> P	<b>1=</b> P
	42 U	800 mm	800 mm	Single-leaf glass door, right	Single-leaf glass door, right	19" vertical server extrusions with air partition and 1U covers	19" hole pattern extrusions	Cover with cable inlet to rear and Coolblast fan option	no base, with adjustable feet	Left and right side panels	Standard packaging	80/740mm*		RAL 7035	
	<b>D=</b> P		<b>E=</b> P	<b>B=</b> P	<b>B=</b> P	<b>C=</b> P	<b>S=</b> P	<b>C=</b> P	<b>G=</b> P	<b>L=</b> P		<b>C=</b> P		<b>8=</b> P	
	47 U		1000 mm	Single-leaf sheet steel door, right	Sheet steel door single-leaf, right	19" server extrusions inc. cable management*	19" 19" server extrusions	Cover with cable inlet to rear	Stationary base, 100 mm, perforated front/rear	Left side panel		115/740mm*		RAL 7021	
			<b>G=</b> P	<b>C=</b> P	<b>C=</b> P	<b>H=</b> P	<b>T=</b> P	<b>E=</b> P	<b>R=</b> P	<b>R=</b> P		<b>D=</b> P		<b>X=</b> P	
			1200 mm	Perforated sheet steel door, single-leaf, right	Sheet steel door perforated, single-leaf, right	19" hole pattern extrusions	19" vertical extrusion with T-groove	Cover with side cable inlet	mobile using rollers	Right side panel		123/740mm*		no color **	
				<b>E=</b> P	<b>E=</b> P	<b>S=</b> P	<b>X=</b> P	<b>X=</b> P		<b>X=</b> P		<b>E=</b> P			
				Double-leaf glass doors	Double-leaf glass doors	19" server extrusions	without extrusions	without cover		open to left and right		200/740mm*			
				<b>F=</b> P	<b>F=</b> P	<b>T=</b> P						<b>F=</b> P			
				Double-leaf sheet steel door	Double-leaf sheet steel door	19" vertical extrusion with T-groove						215/740mm*			
			<b>G=</b> P	<b>G=</b> P	<b>X=</b> P						<b>G=</b> P				
			Perforated sheet steel door, double-leaf	Sheet steel door perforated, double-leaf	without extrusions						150/740mm*				
			<b>X=</b> P	<b>X=</b> P							<b>Q=</b> P				
			without door	without door							80/565mm*				
											<b>T=</b> P				
											123/565mm*				
											<b>U=</b> P				
											150/565mm*				
											<b>V=</b> P				
											200/565mm*				

**P** - Priority item (dispatched from our factory within 5 working days) Attention: Delivery times may be longer for large orders.

Note:

\* This option is not available for all cabinet widths, cabinet depths, installation depths and insertion depths.

\*\* Please use "X" if no cladding panels are selected.

SELECT YOUR OPTIONS

## Vertiv™ Knürr® MIR2 Server and Network Cabinet Configurator

### Vertiv Knürr MIR2 – put together by you.

Vertiv Knürr MIR2 is one of our configurable rack platforms.

Using the configuration table, you can put together your own individual rack.



Overview of all mountable components

Dimensions				Doors		19" extrusions		Coverings				Color		
Product	Height	Width	Depth	Front door	Rear door	19" vertical extrusion front	19" vertical extrusion rear	Cover	Base	Side panel	Packaging	Stowing depth	Free	Color
N	W	8	E	A	W	S	S	W	F	W	X	Q	X	8

## Miracel 2 Network Rack:

### General Description

- With fixed 19" installation extrusions for installations in accordance with IEC 297-3.
- Suitable for 19" server, switches, hub, router, chassis runners, drawers, pull-out shelves, cable management, etc.
- Cable inlet via base or cover depending on product version.
- Cable inlet at cover, rear; cover assembly or disassembly possible after cabling.
- Door opening angle 160° with internal hinge.
- Protection rating – IP 20. Tests
- Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with EN 60529. Material/Surface
- Extruded aluminum profile base frame.
- Plain die-cast aluminum corner connectors.
- Galvanized sheet steel panels, powder-coated structure.
- Load capacity 8000 N static

Miracel 2 Network Rack					Jumpering space / Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CAFHHBGXTX8	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		8	
NB8CAFHHBGXTX1	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		1	
NB8EAFHHBGXXU8	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	8	
NB8EAFHHBGXXU1	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	1	
ND8CAFHHBGXTX8	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		8	
ND8CAFHHBGXTX1	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		1	
ND8EAFHHBGXXU8	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm					x	8	
ND8EAFHHBGXXU1	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm					x	1	

- Front doors with single safety glass panel, single-leaf, with handle and provision for locking cylinder.  
 - Rear doors, double leaf, sheet steel, with handle and provision for locking cylinder.

- 19" extrusions, front; with breadboard.  
 - 19" extrusions, rear; with breadboard.  
 - Cover with cable inlet in the rear and opening for Cool Blast range fan.  
 - Stationary base, 100 mm, perforated front/rear.

Miracel 2 Network Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CCGHHEFXTX8	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		8	
NB8CCGHHEFXTX1	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		1	
NB8ECGHHEFXU8	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	8	
NB8ECGHHEFXU1	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	1	
ND8CCGHHEFXTX8	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		8	
ND8CCGHHEFXTX1	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		1	
ND8ECGHHEFXU8	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm					x	8	
ND8ECGHHEFXU1	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm					x	1	

- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.  
 - Rear doors, double leaf, perforated, with handle and provision for locking cylinder.  
 - 19" extrusions, front; with breadboard.

- 19" extrusions, rear; with breadboard.  
 - Cover with side cable inlet  
 - Leveling feet.

Miracel 2 Network Rack					Jumpering space / Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CABTTBGXXTX8	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		8	
NB8CABTTBGXXTX1	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		1	
ND8CABTTBGXXTX8	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		8	
ND8CABTTBGXXTX1	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		1	

- Front doors with single safety glass panel, single-leaf, with handle and provision for locking cylinder.  
 - Rear doors, single-leaf, sheet steel, with handle and provision for locking cylinder.  
 - 19" extrusions, front; with T-slot.

- 19" extrusions, rear; with T-slot.  
 - Cover with cable inlet in the rear and opening for Cool Blast range fan.  
 - Stationary base, 100 mm, perforated front/rear.

Miracel 2 Network Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CABHHBGXXTX8	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		8	
NB8CABHHBGXXTX1	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		1	
ND8CABHHBGXXTX8	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		8	
ND8CABHHBGXXTX1	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		1	

- Front doors with single safety glass panel, single-leaf, with handle and provision for locking cylinder.  
 - Rear doors, single-leaf, sheet steel, with handle and provision for locking cylinder.  
 - 19" extrusions, front; with breadboard.

- 19" extrusions, rear; with breadboard.  
 - Cover with cable inlet in the rear and opening for Cool Blast range fan.  
 - Stationary base, 100 mm, perforated front/rear.

Miracel 2 Network Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CAFTTBTGXXTX8	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		8	
NB8CAFTTBTGXXTX1	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		1	
ND8CAFTTBTGXXTX8	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		8	
ND8CAFTTBTGXXTX1	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		1	

- Front doors with single safety glass panel, single-leaf, with handle and provision for locking cylinder.  
 - Rear doors, double-leaf, sheet steel, with handle and provision for locking cylinder.

- 19" extrusions, front; with T-slot.  
 - 19" extrusions, rear; with T-slot.  
 - Cover with cable inlet in the rear and opening for Cool Blast range fan.  
 - Stationary base, 100 mm perforated front/rear.

Miracel 2 Network Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CCGTTEFXXTX8	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		8	
NB8CCGTTEFXXTX1	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		1	
ND8CCGTTEFXXTX8	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		8	
ND8CCGTTEFXXTX1	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		1	
NB8ECGTTEFXUX8	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	8	
NB8ECGTTEFXUX1	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	1	

- Front doors, perforated sheet metal door, single-leaf, with handle and provision for locking cylinder.  
 - Rear doors, double-leaf, perforated, sheet steel, with handle and provision for locking cylinder.

- 19" extrusions, front; with T-slot.  
 - 19" extrusions, rear; with T-slot.  
 - Cover with side cable inlet  
 - Leveling feet

## Miracel 2 Server Rack:

### General Description

- With fixed 19" installation extrusions for installations in accordance with IEC 297-3.
- Suitable for 19" server, switches, hub, router, chassis runners, drawers, pull-out shelves, cable management, etc.
- Cable inlet via base or cover depending on product version.
- Cable inlet at cover, to rear; cover assembly or disassembly possible after cabling.
- Door opening angle 160° with internal hinge.
- Protection rating – IP 20. Tests
- Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with EN 60529. Material/Surface
- Extruded aluminum profile base frame
- Plain die-cast aluminum corner connectors
- Galvanized sheet steel panels, powder-coated structure.
- Load capacity 8000 N static.

Miracel 2 Server Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8GCGCSEFXGX8	Vertiv Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm			x			8	
NB8GCGCSEFXGX1	Vertiv Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm			x			1	
ND8GCGCSEFXGX8	Vertiv Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm			x			8	
ND8GCGCSEFXGX1	Vertiv Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm			x			1	

- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.  
- Rear doors, double-leaf, perforated, sheet steel, with handle and provision for locking cylinder.

- 19" server extrusions, front; with cable management.  
- 19" server extrusions, rear.  
- Cover with side cable inlet.  
- Leveling feet

Miracel 2 Server Rack (base frame)					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8EXXSSXFXDX8	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm		x				x	
NB8GXXSSXFXDX8	Vertiv Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm		x				x	
ND8EXXSSXFXDX8	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm		x				x	
ND8GXXSSXFXDX8	Vertiv Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm		x				x	

- 19" server extrusions, front.  
- 19" server extrusions, rear.

- Leveling feet

Miracel 2 Server Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8ECGASEFXAX8	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm	x					8	
NB8ECGASEFXAX1	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm	x					1	
NB8GCGASEFXAX8	Vertiv Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm	x					8	
NB8GCGASEFXAX1	Vertiv Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm	x					1	
ND8ECGASEFXAX8	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm	x					8	
ND8ECGASEFXAX1	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm	x					1	
ND8GCGASEFXAX8	Vertiv Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm	x					8	
ND8GCGASEFXAX1	Vertiv Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm	x					1	

- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.  
- Rear doors, double-leaf, perforated, sheet steel, with handle and provision for locking cylinder.

- 19" server extrusions with air partition and 1U covers, front  
- 19" server extrusions, rear.  
- Cover with side cable inlet.  
- Leveling feet



## Miracel 2 Base Frame:

### General Description

- With fixed 19" installation extrusions for installations in accordance with IEC 297-3.
- Suitable for 19" server, switches, hub, router, chassis runners, drawers, pull-out shelves, cable management, etc.
- Cable inlet via base or cover depending on product version.
- Cable inlet at cover, rear; cover assembly or disassembly possible after cabling.
- Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with EN 60529. Material/Surface
- Extruded aluminum profile base frame
- Plain die-cast aluminum corner connectors
- Load capacity 8000 N static.

Miracel 2 Network Rack (base frame)					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CXXHHXFXXTXX	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		x	
NB8EXXHHXFXXUXX	Vertiv Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm					x	x	
ND8CXXHHXFXXTXX	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		x	
ND8EXXHHXFXXUXX	Vertiv Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm					x	x	

- 19" breadboard extrusions, front.  
- 19" breadboard extrusions, rear.  
- Leveling feet

Miracel 2 Network Rack (base frame)					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
NB8CXXTTFXXTXX	Vertiv Knürr MIR2 42U W800mm D800mm	2000mm	800mm	800mm				x		X	
ND8CXXTTFXXTXX	Vertiv Knürr MIR2 47U W800mm D800mm	2200mm	800mm	800mm				x		X	

- 19" T-slot extrusions, front.  
- 19" T-slot extrusions, rear.  
- Leveling feet

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	H = Installation height	U = Standardized height unit	kg = Weight	1 mm = 0.03937 inch	
H = Height	D = Insertion depth	1 U = 44,45 mm		1 kg = 2.2046 pounds	
D = Depth	L = Length	PU = Packaging unit			



Vertiv Knürr MIR2 Server Rack

## Vertiv™ Knürr® MIR2 – Server Cabinet Features

- With fixed 19" installation from front and rear for installations in accordance with IEC 297-3.
- Perforated single-leaf front and rear doors.
- Special 19" server extrusions to accommodate all standard 19" servers.
- Installations in accordance with IEC 297-3.
- Cable inlet via floor and via cover.
- Cable inlet at cover rear completely removable, making cover assembly/disassembly possible after cabling.

### ■ Stowing space

- To front 80 mm.

### ■ Load-bearing capacity

- 8000 N static.

### ■ Protection class

- IP 20.

### ■ Tests

- Grounding in accordance with VDE 0100 T 540.
- Grounding in accordance with DIN EN 60950.
- IP test in accordance with EN 60529.

### ■ Material/ Surface

- Extruded aluminum profile base frame
- Plain die-cast aluminum corner connectors
- Galvanized sheet steel panels, powder-coated structure.
- Sheet steel doors, powder-coated structure.
- 19" extrusions, 2.0 mm sheet steel, galvanized.

### ■ Color

- x = .1 visible surfaces and cladding panels RAL 7035 light gray.
- x = .8 visible surfaces and cladding panels RAL 7021 black-gray.

### ■ Scope of delivery

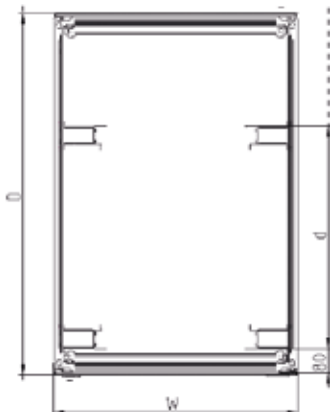
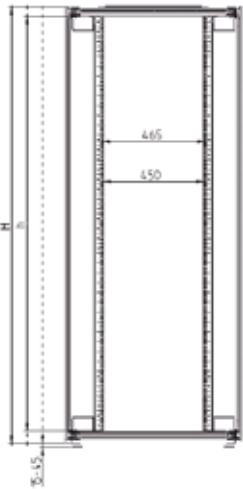
- 1 x base frame.
- 4 x 19" sheet steel server extrusions incl. U marking.
- 2 x side panels with quick locks.
- 1 x cover with rear cable inlet (sliding panels in three parts, may also be opened complete).
- 1 x front door, single-leaf with handle and receptacle for locking cylinder.
- 1 x rear door, single-leaf with handle and receptacle for locking cylinder.
- 1 x grounding set, complete (VDE 0100).
- 4 x leveling feet

### ■ How supplied

- Assembled.

### ■ Note

For drawers, pull-out shelves and chassis rails please also order extrusion adapter 01.147.640.9.



W	H	D	U	H	D	Kg	Part No.	PU
800	1969	1000	42	1873	740	107	01.157.011.x-026	1 pc
800	2191	1000	47	2095	740	116	01.157.011.x-036	1 pc
800	1969	1200	42	1873	740	111	01.157.011.x-028	1 pc
800	2191	1200	47	2095	740	123	01.157.011.x-038	1 pc



Vertiv Knürr MIR2 Network Cabinet

## Priority storage rack

### Vertiv™ Knürr® MIR2 – Network Cabinet

- With fixed 19" installation to front and rear for installations in accordance with IEC 297-3.
- Installation of chassis rails, drawers, pull-out shelves and cable management.
- Cable inlet via base and via cover.
- Cable inlet at cover, to rear; cover assembly or disassembly possible after cabling.
- Heat loss discharge via raised roof.
- Door opening angle 160° with internal hinge.

**■ Stowing space**

- To front 123 mm.

**■ Load capacity**

- 8000 N static.

**■ Protection class**

- IP 20.

**■ Tests**

- Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with EN 60529.

**■ Material / Surface**

- Extruded aluminum profile base frame
- Plain die-cast aluminum corner connectors
- Galvanized sheet steel panels, powder-coated structure.
- Sheet steel doors, powder-coated structure, glass filling to front with 4 mm single-pane safety glass.
- 19" extrusions, 1.5 mm sheet steel, galvanized.

**■ Color**

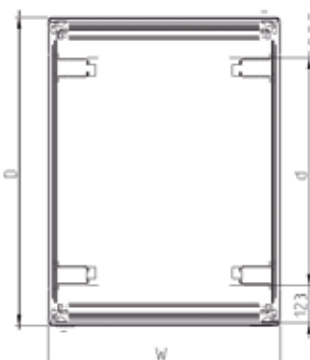
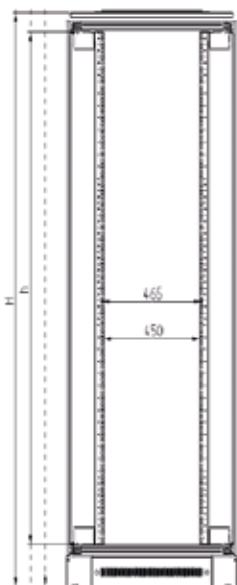
- x = 1 visible surfaces and panels  
RAL 7035 light gray.
- x = .8 visible surfaces and panels  
RAL 7021 black-gray.

**■ Scope of delivery**

- 1 x base frame.
- 4 x 19" hole pattern sheet steel extrusions incl. U marking. For cabinet depth 600mm, only 2 x 19" extrusions to front..
- 2 x side panels with quick locks.
- 1 x raised cover with cable inlet (sliding panels in three parts, may also be opened complete) to rear.
- 1 x front door, single-leaf, single-pane safety glass, with handle and receptacle for locking cylinder.
- 1 x rear door, single-leaf, sheet steel, with handle and receptacle for locking cylinder.
- 1 x base with ventilation slits to front and rear, closed to sides, filter mat may be retrofitted.
- 1 x grounding set, complete (VDE 0100).
- 4 x leveling feet.

**■ How supplied**

- Assembled.



W	H	D	U	H	D	Kg	Order no.	PU	
800	2120	800	42	1873	565	115	01.157.005.1-024	1 pc	

**P** - Priority item (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	H = Installation height	U = standardized height unit	Kg = Weight	1 mm	= 0.03937 inch
H = Height	D = Insertion depth	1 U = 44,45 mm		1 kg	= 2.2046 pounds
D = Depth	L = Length	PU = Packaging unit			

## Priority Range

Additional configuration options are available in our Knürr IT Special Catalog

### Vertiv™ Knürr® DCM Heavy Duty Cabinet

#### Material

- Extruded aluminum profile.
- Die-cast aluminum corner connectors.
- Galvanized sheet steel cladding panels.
- Sheet steel doors.

#### Installation dimensions in accordance with IEC 60297-1 and IEC 60297-2

- Height: 42 U / 47 U

#### Capacity

- Front stowing space 80 mm.
- Internal hinge: 130° as a cabinet row, 160° as a single cabinet.

#### Installation types

- Stationary, or mobile.

#### Surface/color

- Plain base frame
- Visible panel surfaces powder-coated black-gray RAL 7021.

#### Static load

- 15000 N (stationary version).
- 10000 N (mobile version).

#### Tests depending on version

- IP test in accordance with IEC 60529.
- Grounding and protective conductor test in accordance with DIN EN 60950.

#### Product line

Vertiv Knürr DCM Heavy Duty Cabinet

	Dimensions			Doors		19" extrusions		Coverings			Color				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	Cabinet Height	Cabinet Width	Cabinet Depth	Cabinet door Front side	Cabinet door Rear side	19" Vertical extrusion Front	19" Vertical extrusion Rear	Cover	Base	Side panels	Packaging	Stowing depth 19" extrusions /Insertion depth	Free	Color	
<b>1</b>	<b>D=</b> Vertiv Knürr DCM Rack	<b>B=</b> 42 U	<b>6=</b> 600 mm	<b>E=</b> 1000 mm	<b>C=</b> Perforated single door	<b>C=</b> Perforated single door	<b>A=</b> 19" server vertical extrusion with air partitioning und 3x1U breakouts*	<b>S=</b> 19" server vertical extrusion	<b>C=</b> Cover with cable inlet	<b>A=</b> Base stationary 100mm	<b>B=</b> To both sides	<b>X=</b> Standard packaging	<b>A=</b> 80/740mm	<b>X=</b> Free	<b>1=</b> RAL 7035
	<b>D=</b> 47 U	<b>8=</b> 800 mm	<b>G=</b> 1200 mm	<b>G=</b> Perforated double door	<b>G=</b> Perforated double door	<b>C=</b> 19" server extrusion with vertical cable manager	<b>X=</b> Without 19" extrusions	<b>E=</b> Cover with side cable routing*	<b>R=</b> With rollers	<b>L=</b> Left		<b>B=</b> 85/740 mm		<b>8=</b> RAL 7021	
				<b>X=</b> Without door	<b>X=</b> Without door	<b>S=</b> 19" server vertical extrusion		<b>X=</b> Without cover	<b>F=</b> Stationary without base. Only adjustable feet are height-adjustable	<b>R=</b> Right		<b>C=</b> 115/740 mm		<b>X=</b> no color **	
										<b>X=</b> Without		<b>D=</b> 123/740 mm			
												<b>E=</b> 200/740 mm			
												<b>F=</b> 215/740 mm			
												<b>G=</b> 150/740 mm			
Example configuration:	<b>D</b>	<b>W</b>	<b>8</b>	<b>G</b>	<b>C</b>	<b>X</b>	<b>A</b>	<b>X</b>	<b>C</b>	<b>A</b>	<b>L</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>8</b>

Example article number

**P** - Priority Item (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Note:

\* This option is not available for all cabinet widths, cabinet depths, installation depths and insertion depths.

\*\* Please use "X" if no cladding panels are selected.

## Vertiv™ Knürr® DCM Heavy Duty Cabinet Configurator

1





- Up to 2.5 million possible configurations





## DCM Server Rack:

### General Description

- Extruded aluminum profile base frame, polished.
- Die-cast aluminum corner connectors, polished.
- Sheet steel doors, powder-coated structure.
- Galvanized sheet steel panels, powder-coated structure.
- 19" extrusions, 2.0 mm sheet steel, galvanized.
- Special 19" server extrusions to accommodate all standard 19" servers.
- Installations in accordance with IEC 297-3.
- Cable inlet via floor and via cover.
- Cable inlet at cover, rear completely removable, making cover assembly/disassembly possible after cabling.
- In mobile version with heavyweight rollers with excellent ground clearance.
- 4 leveling feet.
- 1 grounding set, complete (VDE 0100).
- Mobile version: also includes 2 roller mountings with heavyweight rollers with integrated cable inlets.
- Door perforation 83%
- Tests
- Grounding in accordance with DIN EN 60950.
- Mobile version: Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with DIN 40 050 / IEC 529.
- Protection rating IP 20.
- Load capacity:
  - 15,000 N, static; 10,000 N mobile in RZ with load.
- How supplied
- Assembled.
- Color
- Visible panel surfaces.
- RAL 7021 black-gray.

DCM Server Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
<b>DB6GCGSSEFXXA8</b>	Vertiv Knürr DCM 42U W600mm D1200mm	2000mm	600mm	1200mm	x					8	
<b>DB6GCGSSEFXXA1</b>	Vertiv Knürr DCM 42U W600mm D1200mm	2000mm	600mm	1200mm	x					1	
<b>DD6GCGSSEFXXA8</b>	Vertiv Knürr DCM 47U W600mm D1200mm	2200mm	600mm	1200mm	x					8	
<b>DD6GCGSSEFXXA1</b>	Vertiv Knürr DCM 47U W600mm D1200mm	2200mm	600mm	1200mm	x					1	
<ul style="list-style-type: none"> <li>- Front doors, perforated sheet metal door, single-leaf, with handle and provision for locking cylinder.</li> <li>- Rear doors, double-leaf, perforated, sheet steel, with handle and provision for locking cylinder.</li> </ul>					<ul style="list-style-type: none"> <li>- 19" server extrusions, front.</li> <li>- 19" server extrusions, rear.</li> <li>- Cover with side cable inlet.</li> <li>- Leveling feet</li> </ul>						

DCM Server Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
<b>DB8GCCASEFXXA8</b>	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x					8	
<b>DB8GCCASEFXXA1</b>	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x					1	
<ul style="list-style-type: none"> <li>- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.</li> <li>- Rear doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.</li> </ul>					<ul style="list-style-type: none"> <li>- 19" server extrusions with air partition and 1U covers, front</li> <li>- 19" server extrusions, rear.</li> <li>- Cover with side cable inlet.</li> <li>- Leveling feet</li> </ul>						

DCM Server Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
DB8GCGASEFXXA8	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x					8	
DB8GCGASEFXXA1	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x					1	
DD8GCGASEFXXA1	Vertiv Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm	x					1	
DD8GCGASEFXXA8	Vertiv Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm	x					8	
<ul style="list-style-type: none"> <li>- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.</li> <li>- Rear doors, double-leaf, perforated, sheet steel, with handle and provision for locking cylinder.</li> </ul>					<ul style="list-style-type: none"> <li>- 19" server extrusions with air partition and 1U covers, front.</li> <li>- 19" server extrusions, rear.</li> <li>- Cover with side cable inlet.</li> <li>- Leveling feet</li> </ul>						

DCM Server Rack					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
DB8GCGCSEFXXG8	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm			x			8	
DB8GCGCSEFXXG1	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm			x			1	
DD8GCGCSEFXXG1	Vertiv Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm			x			1	
DD8GCGCSEFXXG8	Vertiv Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm			x			8	
<ul style="list-style-type: none"> <li>- Front doors, single-leaf, perforated, sheet steel, with handle and receptacle for locking cylinder.</li> <li>- Rear door, double-leaf, perforated, sheet steel, with handle and receptacle for locking cylinder.</li> </ul>					<ul style="list-style-type: none"> <li>- 19" server extrusions, front; with cable management.</li> <li>- 19" server extrusions, rear.</li> <li>- Cover with side cable inlet.</li> <li>- Leveling feet</li> </ul>						

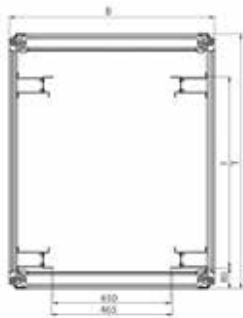
DCM Server Rack (base frame)					Jumpering space/Insertion depth					Color	
Part No.	Model	H	W	D	A = 80/740mm	D = 123/740mm	G = 150/740mm	T = 123/565mm	U = 150/565mm	1 = RAL 7035 8 = RAL 7021 X = no color	
DB6GXXSSXFXXAXX	Vertiv Knürr DCM 42U W600mm D1200mm	2000mm	600mm	1200mm	x					x	
DB8GXXSSXFXXAXX	Vertiv Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x					X	
DD6GXXSSXFXXAXX	Vertiv Knürr DCM 47U W600mm D1200mm	2200mm	600mm	1200mm	x					X	
DD8GXXSSXFXXAXX	Vertiv Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm	x					x	
<ul style="list-style-type: none"> <li>- 19" server extrusions, front.</li> <li>- 19" server extrusions, rear.</li> <li>- Leveling feet</li> </ul>											

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	H = Installation height	U = Standardized height unit	kg = Weight	1 mm	= 0.03937 inch
H = Height	D = Insertion depth	1 U = 44,45 mm		1 kg	= 2.2046 pounds
D = Depth	L = Length	PU = Packaging unit			



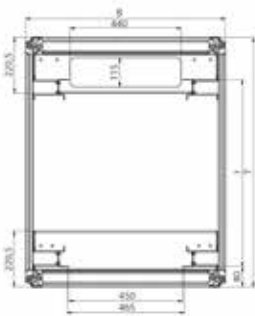
DCM20003 stationary DCM20022 mobile



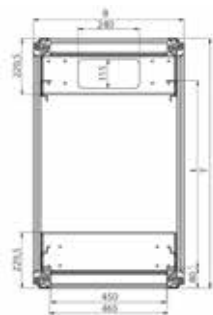
DCM20063 Cut width 800 mm, stationary



DCM20062 Cut width 600 mm, stationary



DCM20065 Cut width 800 mm, mobile



DCM20064 Cut width 600 mm, mobile

## Vertiv™ Knürr® DCM Heavy Duty Cabinet 19" Server Cabinet Width 600 and 800, stationary and mobile

- Perforated front door.
- Perforated door leaf to rear.
- Special 19" server extrusions to accommodate all standard 19" servers.
- Installations in accordance with IEC 297-3.
- Cable inlet via floor and via cover.
- Cable inlet at cover rear completely removable, making making cover assembly/disassembly possible after cabling.
- In mobile version with heavyweight rollers with excellent ground clearance.

### Stowing space

- To front 80 mm.

### Load capacity

- 15,000 N static.
- 10,000 N mobile in RZ with load.

### Protection class

- IP 20.

### Tests

- Grounding in accordance with DIN EN 60950.
- Mobile version: Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with DIN 40 050 / IEC 529.

### Flow cross-section

- Perforation 83%.

### Material / Surface

- Extruded aluminum profile base frame, polished.
- Die-cast aluminum corner connectors, polished.
- Sheet steel doors, powder-coated structure.
- Galvanized sheet steel panels, powder-coated structure.
- 19" extrusions, 2.0 mm sheet steel, galvanized.

### Color

- Visible panel surfaces.
- RAL 7021 black-gray.

### Scope of delivery

- 1 base frame.
- 4 19" server extrusions, sheet steel incl. U marking.
- 2 side panels with quick locks.
- 1 Cover with cable inlet (sliding panels in three parts, may also be opened complete).
- 1 Front door, single leaf, perforated with handle and receptacle for locking cylinder.
- 1 Rear door, double leaf, perforated, sheet steel, with handle and receptacle for locking cylinder.
- 4 leveling feet.
- 1 grounding set, complete (VDE 0100).
- Mobile version: also includes 2 roller mountings with heavyweight rollers with integrated cable inlets.

### How supplied

- Assembled.

### Note

For assembling Vertiv Knürr accessories, please also order fixing adapter for 19" server extrusion.

W	H	D	U	d	kg	Version	Part No.	PU	P
600	2000	1200	42	740	117	stationary, with side panels	DB6GCGSSCFBXXX8	1 pc	P
600	2200	1200	47	740	121	stationary, with side panels	DD6GCGSSCFBXXX8	1 pc	P
800	2000	1200	42	740	132	stationary, with side panels	DB8GCGSSCFBXXX8	1 pc	P
800	2200	1200	47	740	136	stationary, with side panels	DD8GCGSSCFBXXX8	1 pc	P
600	2000	1200	42	740	75	stationary, without side panels	DB6GCGSSCFXXX8	1 pc	P
600	2200	1200	47	740	81	stationary, without side panels	DD6GCGSSCFXXX8	1 pc	P
800	2000	1200	42	740	92	stationary, without side panels	DB8GCGSSCFXXX8	1 pc	P
800	2200	1200	47	740	94	stationary, without side panels	DD8GCGSSCFXXX8	1 pc	P
600	2000	1200	42	740	127	mobile, with side panels	DB6GCGSSCRBXXX8	1 pc	P
800	2200	1200	47	740	146	mobile, with side panels	DD8GCGSSCRBXXX8	1 pc	P
600	2000	1200	42	740	85	mobile, without side panels	DB6GCGSSCRXXX8	1 pc	P
800	2200	1200	47	740	104	mobile, without side panels	DD8GCGSSCRXXX8	1 pc	P

**P** - Priority item (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.



## Our Priority System Accessories

For the full range, see our new Knürr IT Special Catalog

### Base plates

- For cladding the cabinet underside.
- Flexible cable insertion to front and rear with foam rubber seal or brush strips.
- For racks with and without roller beam.

- **Material / Surface**
  - Sheet steel, 1,5 mm, galvanized.
  - With foam rubber seal (foam rubber 50 x 30 mm).

- **Scope of delivery**
  - Base plates.
  - 2 securing brackets.
  - Assembly material.

- **How supplied**
  - As a set.

Image	Description	Dimensions		
	Base plate for cable insertion with foam rubber seal	W 600 mm	D 1000 mm	D 1200 mm
		01157.0410-001	01147.846.0	01147.852.0
	Base plate for cable insertion with foam rubber seal	W 800 mm	D 1000 mm	D 1200 mm
		01157.0410-003	01147.850.0	01147.856.0



MEC20179

### 19" Quick-Fix blind panel. tool-free assembly.

- For covering open 19" surfaces (cold-warm separation)
- Quick and easy assembly and disassembly without tools (one click) (quarter-turn).
- Fits 9.5 x 9.5 square perforations.

- **Material**
  - Sheet steel 1.0 mm.

- **Surface**
  - Last figure in order number .1: Power-coated RAL 7035, light gray structure.
  - Last figure in order number .8: Powder-coated RAL 7021, black-gray structure.

- **Scope of delivery**
  - X (for volume, see order no.) 19" Quick-Fix blind panel.
  - Assembly material.

- **How supplied**
  - As a set (for volume, see order no.); securing clips pre-installed.

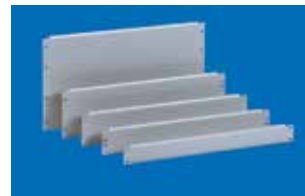


MEC20180



MEC20178

W	H	U	Part No.	PU	
482.6	43.6	1	<b>01103.301.X</b>	6 pc	
482.6	88.1	2	<b>01103.302.X</b>	3 pc	
482.6	132.5	3	<b>01103.303.X</b>	2 pc	
482.6	265.9	6	<b>01103.306.X</b>	1 pc	



CUD00005

### 19" blind panel Screw-fastened

- For covering open 19" surfaces (cold-warm separation)

- **Material**
  - Sheet steel 1.0 mm.

- **Surface**
  - Last figure in order number .1: Power-coated RAL 7035, light gray structure.

- **Scope of delivery**
  - X (for volume, see order no.) 19" blind panel.

- **How supplied**
  - As a set (for volume, see order no.).

- **Note**
  - Please also order matching front panel securing material!



CUD00004

W	H	RU	Part No.	PU	
482.6	88.1	2	<b>01103.202.1</b>	3 pc	

**Priority item** (dispatched from our factory within 5 working days)  
Attention: For large orders, delivery times may be longer.

Dimensions in mm:				Conversion:	
W = Width	H = Installation height	U = standardized height unit	Kg = Weight	1 mm	= 0.03937 inch
H = Height	d = Insertion depth	1 U = 44.45 mm		1 kg	= 2.2046 pounds
D = Depth	L = Length	PU = Packaging unit			



MEC20162

## Chassis runner

Can be hooked on and screwed on

- For installation in 19" rack and 19" enclosure.
- Can be hooked on for quick and easy mounting.
- Can also be attached with screws to accommodate heavier loads.
- Can be screwed from inside (used in rack suites).
- Adjustable height to suit various main-section heights.

### Material/Finish

- Sheet steel, 2.0 mm.
- Zinc-passivated, blue chrome-plated.

### Load rating

- 1000 N max. with even load distribution.

### Scope of delivery

- 2 x chassis runners.
- 1 x Mounting kit.

### How supplied

- In pairs.

### Note

When selecting the chassis runner, please take into account the depth "d" of the rack or enclosure. Four 19" extrusions are required for mounting.

- Mounting adapter for 19" server extrusions 011476409 1 Set.
- Mounting adapter for Smaract 19" server extrusions 01127119.9 1 Set.

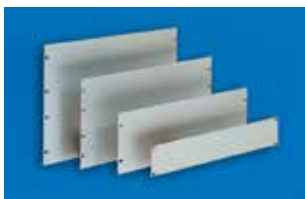


MEC20167



MEC20167

D <sub>Rack</sub>	d	L	For rack type	Order No.	UP
600	365	336	MIR2 / DCM / Smaract	01.103.051.0	1 pair
800	565	536	MIR2 / DCM / Smaract	01.103.053.0	1 pair
from 900	740	711	MIR2 / DCM / Smaract	01.103.056.0	1 pair



FR000005

## 19" front panel 3 mm aluminum

### Material/Finish

- Last figure in order number 0: AlMg3 - F23 polished with protective film.
- Last figure in order number 1: AlMg3 - F23, powder-coated RAL 7035, light gray.
- Last figure in order number 6: AlMg3 - F23 EB (suitable for anodizing), anodized E6/EV1.
- Last figure in order number 8: AlMg3 - F23, powder-coated RAL 7021, black-gray.

### Scope of delivery

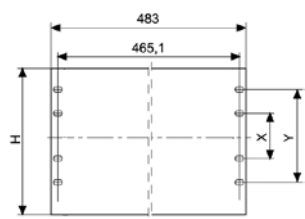
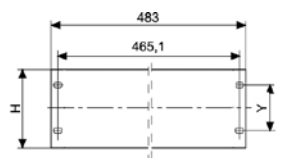
- 1 19" front panel.

### How supplied

- Individually.

### Note

Please also order matching front panel securing material.



MEC20109

H	X	Y	U	Version	Part No.	PU
436		31.7	1	powder-coated, RAL 7035	02.008.021.1	1 pc



MEC20189

## Aluminum chassis runner

- Can be screwed on.
- For installation in 19" rack and 19" enclosure.
- Can be screwed from inside (used in rack suites).
- Height can be adjusted to suit various main-section heights.

### Material/Finish

- Extruded aluminum, polished.

### Load rating

- 700 N max. with even load distribution.

### Scope of delivery

- 2 x chassis runners.
- 1 x Mounting kit.

### How supplied

- In pairs.

### Note

When selecting the chassis runner, please take into account the depth "d" of the rack or enclosure. Four 19" extrusions are required for mounting.

- Mounting adapter for 19" server extrusions 011476409 1 Set.
- Mounting adapter for Smaract 19" server extrusions 01127119.9 1 Set.

D <sub>Rack</sub>	d	L	For rack type	Order No.	UP
600	365	336	MIR2 / DCM / Smaract	01.103.101.0	1 pair
800	565	536	MIR2 / DCM / Smaract	01.103.103.0	1 pair
800	640	611	MIR2 / DCM / Smaract	01.103.104.0	1 pair
from 900	740	711	MIR2 / DCM / Smaract /	01.103.106.0	1 pair



MEC20154

## Articulated cable girder

- May be swung out to rear, allowing free access to rear side (only 3-part)
- For easy assembly within the cabinet/to an intermediate base; quick securing and removal from intermediate base or cabinet via a spring bracket.
- Guarantees defined and kink-free cable routing.
- Minimum space requirement behind the inserted intermediate base 40 mm.

### Material/Finish

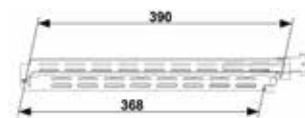
- steel sheet 1.5 mm, galvanized.

### Scope of delivery

- 1 articulated cable girder.
- Assembly material.

### How supplied

- As a set.



MEC88005

Type	Part No.	PU
2-part	05.040.096.0	1 pc



MEC20163

### Chassis runner, adjustable depth

- For installation in 19" rack and 19" enclosure.
- Adjustable depth.
- Can be screwed from inside (used in rack suites).
- Height can be adjusted to suit various main-section heights.

#### Material/Finish

- Sheet steel, 1.25 mm.
- Zinc-passivated, blue chrome-plated.

#### Load rating

- 200 N max. with even load distribution.

#### Scope of delivery

- 2 x basic rails.
- 2 x extension rails.
- 1 x Mounting kit.

#### How supplied

- In pairs.

#### Note

- When selecting the chassis runner, please take into account the depth "d" of the rack or enclosure. Four 19" extrusions are required for mounting.
- Mounting adapter for 19" server extrusions 01.147.640.9 1 Set.
  - Mounting adapter for Smaract 19" server extrusions 01.127.119.9 1 Set.



MEC20166

D <sub>Rack</sub>	d	For rack type	Order No.	UP
600	355-570	MIR2 / DCM / Smaract	01.103.091.0	1 pair
800-1200	565-740	MIR2 / DCM / Smaract	01.103.092.0	1 pair
600-800	560-660	DoubleProRack	01.103.092.0	1 pair



MIR00114

### Assembly aid for cage nut

- For assistance with clipping the cage nut into the extrusion.

#### Material

- Spring steel.

#### Scope of delivery

- 1 assembly aid.

Part No.	PU
01.130.985.9	1 pc

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = standardized height unit	kg = Weight	1 mm	= 0.03937 inch
H = Height	d = Insertion depth	1 U = 44.45 mm		1 kg	= 2.2046 pounds
D = Depth	L = Length	PU = Packaging unit			



MEC20126

### Hole pattern securing set server extrusion M5/Sheet 2.5 mm for MIR2/DCM®/Smaract®

- For securing 19" front panels and 19" installations.

#### Scope of delivery

- 100 cage nuts M5 / Sheet 2.5 mm.
- 100 oval-head screws FormZ M5 x 16.
- 20 spring nuts M5 wide.
- 20 cylinder screws M5 x 8.

#### How supplied

- As a set.

Part No.	PU
05.041.325.9	1 set



MEC20129

#### Type 1

### Front panel securing set T-groove M5 wide for MIR2/Smaract®

- For securing 19" front panels and 19" installations.

#### Scope of delivery

- Type 1: 50 spring nuts M5 wide, 50 oval-head screws FormZ M5 x 10.
- Type 2: 50 spring nuts M5 wide, 50 countersunk screws M5 x 12, 50 rosettes.

#### How supplied

- As a set.



MEC20130

#### Type 2

Version	Part No.	PU
Type 1: Screw FormZ	05.041.335.9	1 set



MEC20098

#### Type 1

### Front panel securing set hole pattern Hole pattern M5/Sheet 2.5 mm for MIR2/DCM®/Smaract®/DoubleProRack®

- For securing 19" front panels and 19" installations.

#### Scope of delivery

- Type 1: 50 cage nuts M5 / Sheet 2.5 mm, 50 oval-head screws FormZ M5 x 16.
- Type 2: 50 cage nuts M5 / Sheet 2.5 mm, 50 countersunk screws M5 x 16, 50 rosettes.

#### How supplied

- As a set.



MEC20097

#### Type 2

Version	Part No.	PU
Type 1: Screw FormZ	05.041.337.9	1 set



Cross beam

## Castor Bracket

- Mobile version: an additional 2 castor mountings with castors including integrated cable entry.
- Set is loadable up to 4000N.

### Material/Finish

- Steel sheet: powder-coated texture.

### Colour

- RAL 7021 dark-grey.

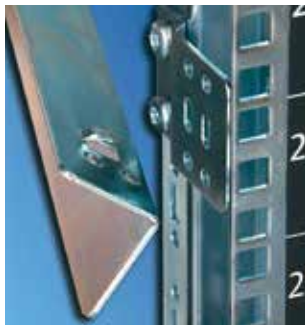
### Included in delivery

- 1 set of castor brackets.
- Mounting kit.

### Delivery

- In sets.

W	Version	Order No.	Units
600	MIR 2.0 castor bracket	01.157.073.8 001	1 set
800	MIR 2.0 castor bracket	01.157.073.8 003	1 set



## Mounting Adapter for 19" Server Extrusion

- For mounting standard Vertiv™ Knürr®-components (shelves, drawers, slot-in runners, keypad drawers, etc.) inside 19" racks.

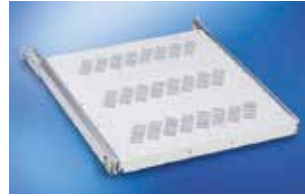
### Material

- Steel sheet: 2 mm, galvanized.

### Included in delivery

- 4 x adapters.

W	H	U	Order No.	Units
63	44	1	01.147.640.9	1 set



MEC00462

## 19" shelf fully retractable

- Integrated mounting holes, front and rear for handle or hinged cable routing.
- Perforated to optimize air supply.
- Locks in retracted position (friction lock).
- Quick separator for tool-less removal and decoupling of shelf.

### Material/Finish

- Sheet steel, electroplated zinc, powder-coated texture.

### Color

- Final digit of order number .1: RAL 7035, light grey.
- Final digit of order number .8: RAL 7021 dark-grey.

### Load rating

- 500 N static per item.

### Scope of delivery

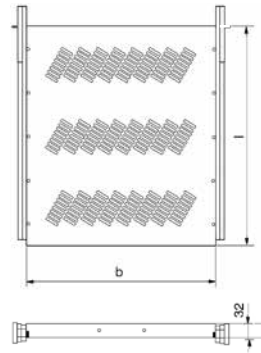
- 1 x pair of telescopic slides.
- 1 x shelf board.
- 1 x Mounting kit.

### How supplied

- In sets.

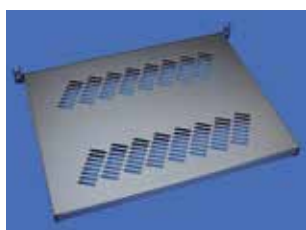
### Note

- Order requisite mounting adapter when used for DCM or Miracel 2 19" server extrusion.
  - Mounting adapter for 19" server extrusions 01.147.640.9 1 Set.
- Order requisite mounting adapter when used for Smaract 19" server extrusion.
  - Mounting adapter for 19" server extrusions 01.127.119.9 1 Set.



MEC20020

d <sub>insertion depth</sub>	WxL	Order No.	UP
565-750	430 x 560	01.102.041.X-001	1 unit



MEC20221

### 19" QuickFix shelf tool-less assembly

- Quick and easy tool-less mounting. Mounted on 19" cutouts.
- Quick and easy tool-less fitting (one click) and removal (quarter turn).
- Suitable for all racks and enclosures with 19" mounting hole extrusions (9.0 x 9.0 square holes).
- Adjustable depth to accommodate variable recess depths and special dimensions.
- Perforated to optimize air supply.

#### Material

- Sheet steel, 1.0 mm.

#### Finish

- Final digit of order number .1: powder-coated texture, RAL 7035, light-grey.
- Final digit of order number .8: powder-coated texture, RAL 7021 dark-grey.

#### Load rating

- 700 N static with even load distribution.

#### Scope of delivery

- 1 x 19" QuickFix shelf.
- 1 x Mounting kit.

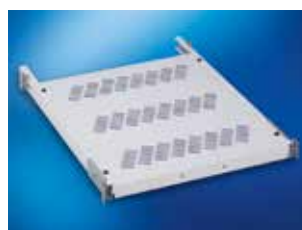
#### How supplied

- In sets.

#### Note

- Cannot be used for 19" t-slot extrusions.
- Nothing may be attached on the first upper U otherwise the shelf can not be mounted in the 19" cutouts.

d <sub>insertion depth</sub>	WxL	Order No.	UP
565-740	430 x 500	01.102.072.8	1 unit



MEC00451

### 19" shelf Fixed

- Integrated mounting holes; front and rear for handle or hinged cable routing.
- Perforated to optimize air supply.

#### Material/Finish

- Sheet steel 1.0 mm, electroplated zinc, powder-coated texture.

#### Color

- Final digit of order number .1: RAL 7035, light grey.
- Final digit of order number .8: RAL 7021 dark-grey.

#### Load rating

- 500 N static per item.

#### Scope of delivery

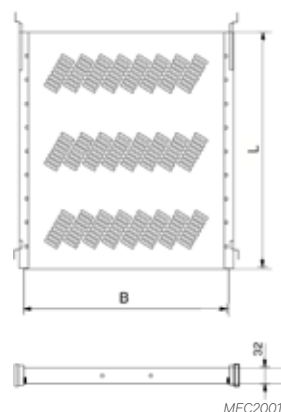
- 2 x mounting rails, incl. mounting bracket.
- 1 x shelf board.
- 1 x extension board (from L = 600).
- 1 x Mounting kit.

#### How supplied

- In sets.

#### Note

- Please order requisite mounting adapter when used for DCM or Miracel 2 19" server extrusion.
  - Miracel 2/DCM 1 Set 01.147.640.9
- Please order requisite mounting adapter when used for Smaract 19" server extrusion.
  - Smaract 1 Set 01.127.119.9



MEC20018

D <sub>Rack</sub>	WxL	For rack type	Order No.	UP
365	430x300	MIR2 / DCM / Smaract	01.102.001.1	1 unit
440	430x300	MIR2 / DCM / Smaract	01.102.002.1	1 unit
565	430x500	MIR2 / DCM / Smaract	01.102.003.1	1 unit
640	430x600	MIR2 / DCM / Smaract	01.102.004.1	1 unit
740	430x600	MIR2 / DCM / Smaract	01.102.005.1	1 unit

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = standardized height unit	kg = Weight	1 mm = 0.03937 inch	
H = Height	d = Insertion depth	1 U = 44.45 mm		1 kg = 2.2046 pounds	
D = Depth	L = Length	PU = Packaging unit			



MEC00060

## Spring nut

- For clipping into T-groove wherever required.
- **Type 1:** M5 wide. for MIR2/Smaract. Slot nut size: 10 x 13 mm.
- **Type 2:** M5 narrow. for DoubleProRack. Slot nut size: 8 x 13 mm.
- **Type 3:** M6. for MIR2/Smaract. Slot nut size: 10 x 13 mm.

- **Scope of delivery**
  - 50 spring nuts.

- **How supplied**
  - As a set.

Version	Part No.	PU
Type 1: M5 wide	01.350.431.9	1 set
Type 2: M5 narrow	05.041.503.9	1 set
Type 3: M6	01.350.405.9	1 set



MEC20139

## Cage nuts

- For clipping into extrusions with hole pattern.
- **Type 1:** Sheet 1.5 mm. for MIR2/Smaract/ConAct.
- **Type 2:** Sheet 2.5 mm for MIR2 Server/Smaract Server/ DoubleProRack with 19° hole pattern.

- **Scope of delivery**
  - 50 cage nuts.

- **How supplied**
  - As as set

Version	Part No.	PU
M6: Type 2: sheet metal, 2.5 mm	05.041.519.7	1 set



MEC20140

## Fillister head screw

- IEC DIN 967.

- **Scope of delivery**
  - 50 oval-head screws FormZ.

- **How supplied**
  - As a set.

Version	Part No.	PU
M5 x 10	05.041.330.9	1 set



MEC20141

## Countersunk screw and Rosette

- IEC DIN EN ISO 7047.

- **Scope of delivery**
  - 50 countersunk screws.
  - 50 rosettes.

- **How supplied**
  - As a set.

Version	Part No.	PU
M5 x 12	05.041.203.9	1 set



ELM00068

## Grounding rail

- For safe grounding or equipotential bonding of devices and installation components.

- **Material**
  - Electrolytic copper 9 x 9.

- **Scope of delivery**
  - 1 grounding rail.
  - 2 brackets
  - Assembly material.

U	Version	Part No.	PU
41	for MIR2 / DCM	01.110.708.9	1 pc
12	for MIR2	01.110.703.9	1 pc



DOP20016

## Contact clamp

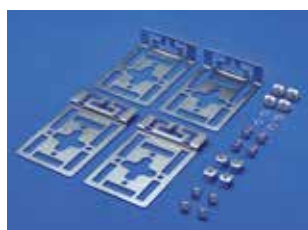
- For the safe connection of devices and installation components with the grounding rail.
- For cables up to 25 mm<sup>2</sup>.

- **Scope of delivery**
  - 20 contact clamps.

Version	Part No.	PU
M5 x 10	01.110.715.9	20 pc

**Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = standardized height unit	kg = Weight	1 mm	= 0.03937 inch
H = Height	d = Insertion depth	1 U = 44.45 mm		1 kg	= 2.2046 pounds
D = Depth	L = Length	PU = Packaging unit			



MEC20222 Type 1

### PDU assembly kit

- For securing different rack PDUs.
- Fits MIR2 and DCM cabinets.
- For assembling 1 or 2 PDUs.
- Assembly possibilities available in the manual "Assembly instructions for PDUs".

#### Material/Finish

- steel sheet 2 mm, galvanized.

#### Scope of delivery

- 2 L-Form securing brackets.
- 2 elbowed securing brackets.
- Assembly material.

#### How supplied

- As a set.



MEC20223 Type 2

Version	for cabinet type	Part No.	PU
Type 1: short	MIR2 / DCM	01.147.813.9	1 set



MIR00069

### Locking set, complete

#### Scope of delivery

- 2 extrusion cylinders, each with 2 keys.
- 2 lockable sash locks for side panel, each with 2 keys.

Version	Part No.	PU
MIR2 / DCM	01.130.940.9	1 set

## A matching securing set for every type of cabinet.

DCM	MIR2 T-groove	MIR2 Hole pattern	MIR2 Server	MIR2 Swivel frame	Smaract T-groove	Smaract Hole pattern	Smaract Server	Double- ProRack T-groove	Double- ProRack Hole pattern	ConAct	Designation	Part No.	PU
											Securing set - Hole pattern M5/BI 2.5	05.041.325.9	1 set

## The matching securing set for front panels Version: Screw FormZ

DCM	MIR2 T-groove	MIR2 Hole pattern	MIR2 Server	MIR2 Swivel frame	Smaract T-groove	Smaract Hole pattern	Smaract Server	Double- ProRack T-groove	Double- ProRack Hole pattern	ConAct	Designation	Part No.	PU
											FP securing set T-groove M5 wide	05.041.335.9	1 set
											FP securing set Hole pattern M5/BI 2.5	05.041.337.9	1 set

## Matching accessories for every type of cabinet

DCM	MIR2 T-groove	MIR2 Hole pattern	MIR2 Server	MIR2 Swivel frame	Smaract T-groove	Smaract Hole pattern	Smaract Server	Double- ProRack T-groove	Double- ProRack Hole pattern	ConAct	Designation	Part No.	PU
											Spring nut M5 wide	01.350.431.9	1 set
											Spring nut M5 narrow	05.041.503.9	1 set
											Spring nut M6	01.350.405.9	1 set
											Oval-head screw FormZ M5 x 10	05.041.330.9	1 set
											Countersunk screw M5 x 12 + rosette	05.041.203.9	1 set

**Vertiv™ Knürr® Smaract® 19" Compact Rack with Glass Door**



SMA20024

- For components compliant with IEC 297-3.
- Access from all sides with removable covers.
- Flexible assembly of the components using mounting holes.
- Cable entry via rear panel (optional via top cover/bottom cover).
- Heat loss discharge via own convection or with fan unit on the rear panel (accessory).
- Door opening angle, 180°.
- Front door with safety glass, lockable.

■ **Jumpering space**

- Front 110 mm.

■ **Load rating**

- 2000 N static.

■ **Protection rating**

- IP 20.

■ **Material/Finish**

- Basic rack, extruded aluminum, polished.
- Corner connector, die-cast, polished.
- Covers, sheet steel, powder-coated texture.
- Glass infill front door, single safety glass panel.

■ **Color**

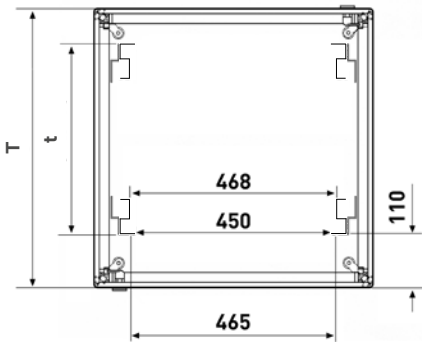
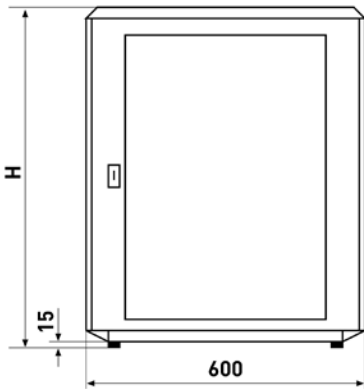
- Final digit of order number .1: RAL 7035, light-grey.
- Final digit of order number .8: RAL 7021 dark-grey.

■ **Scope of delivery**

- 1 x basic rack.
- 2 x side panels, closed; hinged on both sides.
- 1 x top cover, closed.
- 1 x glass front door, lockable.
- 1 x rear door with cable entry, lockable, prepared for ventilation unit.
- 4 x 19" sheet steel vertical extrusions.
- 1 x grounding set.
- 2 x keys.
- 4 x leveling feet.

■ **How supplied**

- Assembled.



SMA20026

W	H	D	U	d	kg	Model	Order No.	UP	
600	478	600	9	365	16	With 19" mount. hole extru.	02.110.057.1	1 unit	P
600	612	600	12	365	20	With 19" mount. hole extru.	02.110.062.1	1 unit	P
600	745	600	15	365	24	With 19" mount. hole extru.	02.110.067.1	1 unit	P
600	1145	600	24	365	36	With 19" mount. hole extru.	02.110.082.1	1 unit	P
600	478	800	9	565	19	With 19" mount. hole extru.	02.110.059.1	1 unit	P
600	612	800	12	565	23	With 19" mount. hole extru.	02.110.064.1	1 unit	P
600	745	800	15	565	27	With 19" mount. hole extru.	02.110.069.1	1 unit	P
600	1145	800	24	565	39	With 19" mount. hole extru.	02.110.084.1	1 unit	P



## Vertiv™ Knürr® Smaract® 19" Server Compact Rack with Perforated Door



SMA20067

- For components compliant with IEC 297-3.
- Access from all sides, removable covers.
- With special 19" server extrusions for mounting trade-standard servers.
- With perforated doors on the front and rear (hexagonal holes with large flow cross-section) for optimal airflow.
- Door opening angle, 180°.

### ■ Jumpering space

- Front 75 mm.

### ■ Flow cross-section

- 1150 cm<sup>2</sup> with 9 U.
- 1950 cm<sup>2</sup> with 15 U.
- 2700 cm<sup>2</sup> with 21 U.
- 3100 cm<sup>2</sup> with 24 U.

### ■ Material/Finish

- Basic rack, extruded aluminum, polished.
- Corner connector, die-cast, polished.
- Covers, sheet steel, powder-coated texture.

### ■ Color

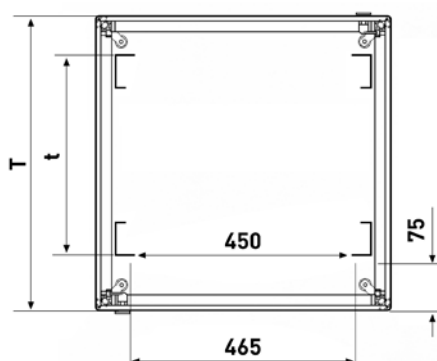
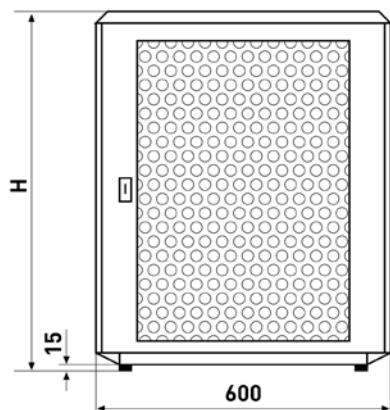
- Final digit of order number .1: RAL 7035, light-grey.
- Final digit of order number .8: RAL 7021 dark-grey.

### ■ Scope of delivery

- 1 x basic rack.
- 2 x side panels, closed, hinged on both sides.
- 1 x top cover, closed.
- 1 x front door with perforation, lockable.
- 1 x rear door with perforation, lockable.
- 4 x 19" server sheet-steel extrusions with mounting holes.
- 1 x grounding set.
- 2 x keys.
- 4 x leveling feet.

### ■ Note

Order mounting adapters for 19" server extrusion for mounting Knürr accessories. Set with 4 adapters order number 01.127.119.9.



SMA20060

W	H	D	U	d	kg	Model	Order No.	UP	
600	478	900	9	740	21	Door without frame	02.110.010.1	1 unit	
600	745	900	15	740	29	Door with frame	02.110.020.1	1 unit	
600	1012	900	21	740	37	Door with frame	02.110.030.1	1 unit	
600	1145	1000	24	740	43	Door with frame	02.110.040.1	1 unit	

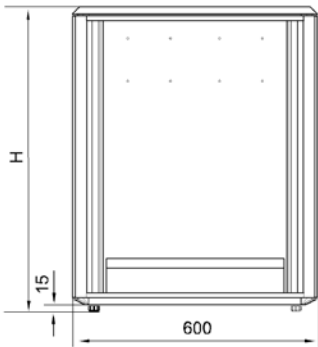
= assemble to order (shipped within 5 working days).  
Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:				Conversion:
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		

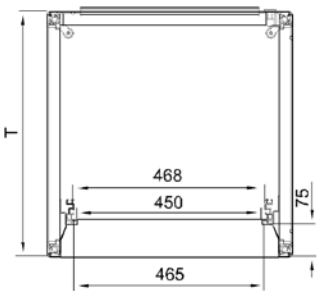
**Vertiv™ Knürr® Smaract® 19" Compact Rack**  
Enclosure without door



SMA20025



SMA20027



SMA20042

- For components in acc. with IEC 297-3.
- Removable covers.

■ **Load rating**

- 2000 N static.

■ **Material/Finish**

- Basic rack, extruded aluminum, polished.
- Corner connector, die-cast, polished.
- Covers, sheet steel, powder-coated texture.

■ **Color**

- RAL 7035 light-grey.

■ **Supply schedule**

- 1 x basic rack.
- 2 x side panels, closed, hinged on both sides.
- 1 x top cover, closed.
- 1 x trim frame, front.
- 1 x rear door with cable entry, lockable, prepared for ventilation unit.
- 2 x 19" aluminum vertical extrusions, front, with T-slot.
- 1 x earthing set.
- 1 x key.
- 4 x leveling feet.

■ **How supplied**

- Assembled.

■ **Note**

If required, please also order 19" extrusions for rear 19" level.

W	H	D	U	kg	Order no.	UP
600	478	600	9	16	02.110.107.1	1 unit
600	745	600	15	22	02.110.117.1	1 unit
600	478	800	9	19	02.110.109.1	1 unit
600	745	800	15	25	02.110.119.1	1 unit

= assemble to order (shipped within 5 working days).  
Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm	= 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg	= 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit			



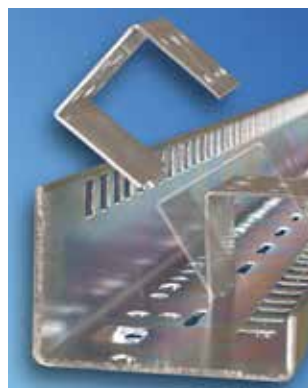
MIR20044

### Mounting Adapters for 19" Server Extrusion

- For mounting standard Vertiv Knürr components (storage shelves, drawers, chassis rails, keyboard tray, etc.) in 19" installation space.

- **Material**
  - Zinc-passivated sheet steel.

- **Scope of delivery**
  - 4 x adapters.



MIR20082

U	Order No.	UP
1	01.127.119.9	1 unit



SMA20168

### Vertiv Knürr Smaract Top/Bottom Cover with Cable Entry

- With integrated cable clamping.
- With brush strip for cable entry.

- **Material/Finish**
  - Sheet steel, powder-coated texture.

- **Color**
  - Final digit of order number .1: RAL 7035, light-grey.
  - Final digit of order number .8: RAL 7021 dark-grey.

- **Scope of delivery**
  - 1 x bottom cover with cable routing.
  - 1 x brush strip.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

W	D	Order No.	UP
600	600	02.111.042.1	1 unit
600	800	02.111.044.1	1 unit
600	900	02.111.045.1	1 unit
600	1000	02.111.046.1	1 unit



SMA20172

### Vertiv™ Knürr® Smaract® Depth Brace

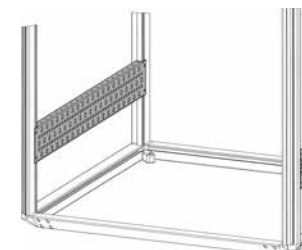
- For additional strengthening of the enclosure.
- For routing cables with cable ties and as universal mounting option.
- With holes for mounting cage nuts.
- Variable positioning with T-slot.
- Installation on the frame extrusions.

- **Material/Finish**
  - Sheet steel, zinc-passivated 1.5 mm.

- **Scope of delivery**
  - 1 x depth brace.
  - 1 x Mounting kit.

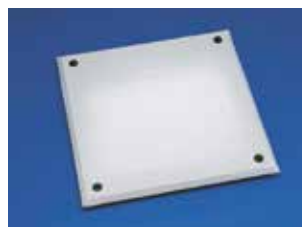
- **How supplied**
  - In sets.

- **Note**
  - Not compatible with 19" server extrusions.



SMA20173

D	Order No.	UP
600	02.111.002.0	1 unit
800	02.111.004.0	1 unit
900	02.111.005.0	1 unit



SMA20028

### Vertiv Knürr Smaract Top Cover/Bottom Cover closed

- **Material/Finish**
  - Sheet steel, powder-coated texture.

- **Color**
  - Final digit of order number .1: RAL 7035, light-grey.
  - Final digit of order number .8: RAL 7021 dark-grey.

- **Scope of delivery**
  - 1 x bottom cover, closed.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

W	D	Order No.	UP
600	600	02.111.052.1	1 unit
600	800	02.111.054.1	1 unit

= assemble to order (shipped within 5 working days).  
Caution: In case of larger orders, delivery times may increase.

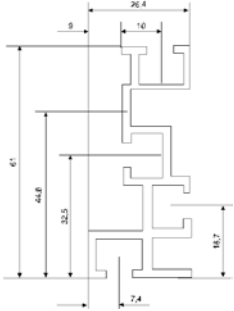
Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch	
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds	
D = Depth	L = Length	UP = Packaging unit			



SMA20103

**Vertiv Knürr Smaract**  
19" Aluminum Extrusion with T-slot

- For front and rear installation.
- **Material/Finish**
  - 19" extrusions: extruded aluminum polished.
  - Mounting bracket: Sheet steel, zinc-passivated.
- **Scope of delivery**
  - 2 x 19" extrusions with T-slot incl. increment slides.
  - 4 x mounting brackets.
  - 1 x Mounting kit.
- **How supplied**
  - In sets.



SMA20105

U	Order No.	UP
9	02.111.146.9	1 unit
15	02.111.148.9	1 unit



SMA20177

**Vertiv Knürr Smaract**  
Plinth

- Stationary.
- Cable entry possible from all sides.
- Panels front and rear with vent slots and installation option for filter mat.
- **Material/Finish**
  - Sheet steel, powder-coated texture.
- **Color**
  - Final digit of order number .1: RAL 7035, light-grey.
  - Final digit of order number .8: RAL 7021 dark-grey.
- **Scope of delivery**
  - 4 x plinth corners.
  - 2 x cover plates, closed.
  - 2 x cover plates with vent slots.
  - 1 x Mounting kit.
- **How supplied**
  - In sets.
- **Note**
  - Can also be mounted in combination with cabinet base.

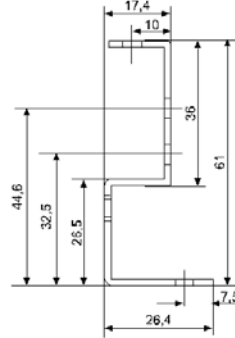
W	H	D	Order No.	UP
600	100	600	02.111.201.1	1 set
600	100	800	02.111.203.1	1 set
600	100	900	02.111.204.1	1 set



SMA20104

**Vertiv Knürr Smaract**  
19" Steel Extrusion with Mounting Holes

- For front and rear installation.
- **Material/Finish**
  - 19" extrusions: sheet steel, zinc-passivated.
  - Mounting bracket: sheet steel, 1.5 mm, zinc-passivated.
- **Scope of delivery**
  - 2 x 19" extrusions with mounting holes.
  - 4 x mounting brackets.
  - 1 x Mounting kit.
- **How supplied**
  - In sets.



SMA20106

U	Order No.	UP
9	02.111.156.9	1 unit
15	02.111.158.9	1 unit

= assemble to order (shipped within 5 working days).  
Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:				Conversion:
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		



SMA20195

### Vertiv™ Knürr® Smaract® Ventilation Unit

- Easily added onto a rear panel.
- With two axial fans.
- With thermostat.
- Available in two different performance classes.

#### Technical data for single fan

- Type 1:  
max. volume flow (free blowing): 162 m³/h.  
Noise emission (free blowing): 37 dB(A).
- Type 2 (quiet):  
max. volume flow (free blowing): 120 m³/h.  
Noise emission (free blowing): 32 dB(A).

#### Technical data for thermostat

- Setting range: 0 to 60 °C.
- Mains supply: 240 V / 50 Hz.
- Nominal current: 16 A.

#### Material/Finish

- Zinc-passivated sheet steel.

#### Scope of delivery

- 1 x fan unit wired ready for connection, with thermostat.
- 1 x Mounting kit.

#### How supplied

- Pre-assembled.



SMA20180

Model	Order No.	UP
Type 1	02.111.180.9	1 unit
Type 2 (quiet)	02.111.181.9	1 unit



SMA20098

### Vertiv Knürr Smaract Plinth Cover Plate with Cable Entry

- Used with plinth.

#### Material/Finish

- Sheet steel, powder-coated texture.

#### Scope of delivery

- 1 x cover panel with cable entry.
- 1 x brush strip.
- 1 x Mounting kit.

#### Color

- Final digit of order number .1: RAL 7035, light-grey.
- Final digit of order number .8: RAL 7021 dark-grey.

#### How supplied

- In sets.

W	H	Order No.	UP
600	100	02.111.206.1	1 unit



SMA20034

### Vertiv Knürr Smaract Twin Caster

- Height 50 mm.

#### Color

- RAL 9011, graphite black.

#### Load rating

- 400 N per caster.
- 1200 N max. static total load per rack.

#### Scope of delivery

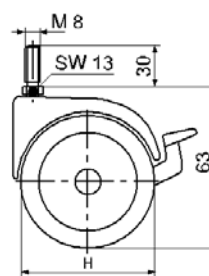
- 2 x twin casters.
- 2 x fixed casters.

#### Standards

- Casters compliant with DIN 12530.
- Load compliant with DIN 12527.

#### How supplied

- In sets.



DOP00233

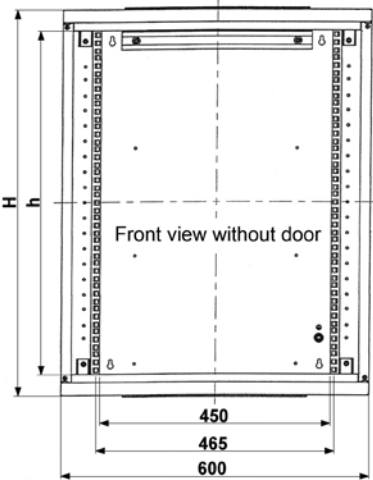
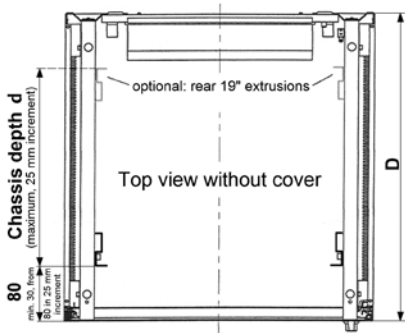
	Order No.	UP
	02.111.175.9	4 units

**assemble to order** (shipped within 5 working days).  
Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:				Conversion:
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		



ACT20053



ACT20041

## Vertiv™ Knürr® ConAct® 19" Wall-mounted Housing

### Description

- For components compliant with IEC 297-3.
- Accessible from all sides; covers can be removed quickly.
- Cable routing via brush strip on top and bottom covers.
- Ventilation unit, optional (can easily be retrofitted).
- Front door with safety glass, lockable.

### Jumpering space

- 80 mm (minimum 32, > 80 in 25 mm increments).

### Load rating

- 500 N static.

### Protection rating

- IP 20.

### Material/Finish

- Rear panel and basic frame, sheet steel, zinc-passivated.
- Removable covers, sheet steel, powder-coated texture.
- Front door, single safety glass panel.
- 19" vertical extrusions, zinc-passivated sheet steel.

### Color

- RAL 7035, light-grey.

### Scope of delivery

- 1 x rear panel.
- 4 x mounting rails.
- 2 x 19" sheet-steel vertical extrusions.
- 1 x top cover, prepared for ventilation unit.
- 1 x bottom cover, closed.
- 2 x side panels.
- 1 x glass door.
- 1 x cable clamping rail.
- 2 x keys.
- 1 x Mounting kit.

### How supplied

- In parts.

W	H	D	U	h	d (max.)	kg	Model	Order No.	UP
600	352	500	6	270	335	18	With glass door	05.010.007.1	1 unit
600	486	500	9	404	335	21	With glass door	05.010.008.1	1 unit
600	619	500	12	537	335	24	With glass door	05.010.009.1	1 unit
600	752	500	15	670	335	28	With glass door	05.010.010.1	1 unit
600	886	500	18	804	335	31	With glass door	05.010.011.1	1 unit
600	352	600	6	270	435	20	With glass door	05.010.014.1	1 unit
600	486	600	9	404	435	23	With glass door	05.010.015.1	1 unit
600	619	600	12	537	435	27	With glass door	05.010.016.1	1 unit
600	752	600	15	670	435	30	With glass door	05.010.017.1	1 unit
600	886	600	18	804	435	34	With glass door	05.010.018.1	1 unit
600	1019	600	21	937	435	37	With glass door	05.010.019.1	1 unit
600	1152	600	24	1070	435	41	With glass door	05.010.020.1	1 unit

- assemble to order (shipped within 5 working days).  
Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch	
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds	
D = Depth	L = Length	UP = Packaging unit			



ACT00029

### Vertiv™ Knürr® ConAct® 19" Vertical Extrusion

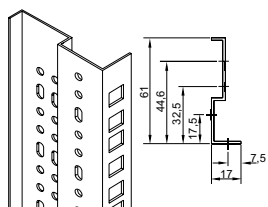
- Install in front and/or rear of housing.

**Material/Finish**

- Sheet steel, 1.5 mm, zinc passivated.

**Scope of delivery**

- 2 x vertical extrusions.
- 1 x Mounting kit.



ACT00035

U	Order No.	UP	
6	05.010.321.9	1 set	
9	05.010.322.9	1 set	
12	05.010.323.9	1 set	
15	05.010.324.9	1 set	
18	05.010.325.9	1 set	
21	05.010.326.9	1 set	
24	05.010.327.9	1 set	



ACT20058

### Vertiv Knürr ConAct Ventilation Unit with Thermostat

- Easy retrofitting of ventilation unit in top cover.
- With two axial fans.
- With thermostat.
- Available in two performance classes.

**Material/Finish**

- Zinc-passivated sheet steel.

**Technical data for single fan**

- Type 1:
  - Volume flow (free blowing): 162 m<sup>3</sup>/h per fan.
  - Noise emission (free blowing): 37 dB(A).
- Type 2 (quiet):
  - Volume flow (free blowing): 120 m<sup>3</sup>/h per fan.
  - Noise emission (free blowing): 32 dB(A).

**Technical data for thermostat**

- Setting range: 0 to 60°C.
- Mains supply: 240 V / 50 Hz.
- Nominal current: 16 A.

**Color**

- RAL 7035, light-grey.

**Scope of delivery**

- 1 x ventilation unit ready for connection.
- 1 x Wired with thermostat.

**How supplied**

- Assembled, wired and tested.

Model	Order No.	UP	
Type 1	05.010.306.1	1 set	
Type 2 (quiet)	05.010.307.1	1 set	



ACT00026

### Vertiv Knürr ConAct Grounding Set

- For grounding all covers on housing frame.

**Scope of delivery**

- 5 x grounding conductors, 6 mm<sup>2</sup>.
- 1 x Mounting kit.

Bestell-Nr.	VE	
05.010.330.9	1 Satz	



MIR00641

### Vertiv Knürr ConAct Cable Clamping Rail

- Cables secured with U-clamps, clamping bars or hammer-head threaded plate.
- For mounting on rear panel.

**Material/Finish**

- Zinc-passivated sheet steel.

**Scope of delivery**

- 1 x cable clamping rail.
- 1 x Mounting kit.

**How supplied**

- In sets.



ACT00006\_A

Order No.	UP	
05.010.340.9	1 set	



MEC20038

## Universal cable routing bracket

- May be used for extrusion clearances (from front) of 123 mm and 73 mm.
- For orderly cable routing.
- Open design, no threading.
- Secured to the exterior sides of the 19" extrusion.
- Installation position may be freely selected.

- **Material**
  - Round steel, d = 6 mm.

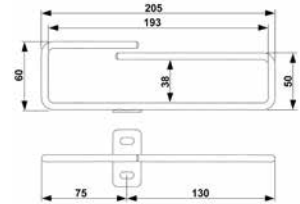
- **Surface**
  - Galvanized.

- **Scope of delivery**
  - 4 cable routing brackets.
  - Assembly material.

- **How supplied**
  - As a set.



MEC20072



MEC20106

W <sub>rack</sub>	For cabinet type	Part No.	PU
800 and above	MIR2 / DCM	05.040.220.9	4 pc



MEC20039

## Rectangular cable routing bracket

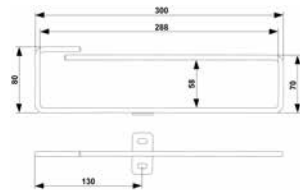
- For orderly cable routing.
- Open design, no threading.
- Secured to the exterior side of the 19" extrusion.
- Installation position may be freely selected.
- For large cable volumes.

- **Material**
  - Round steel, d = 6 mm.

- **Surface**
  - Galvanized.

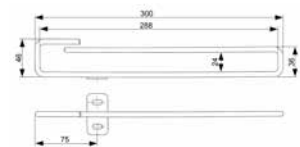
- **Scope of delivery**
  - 4 rectangular cable routing brackets.
  - Assembly material.

- **How supplied**
  - As a set.



MEC20107

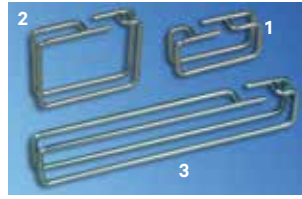
Type 1



MEC20116

Type 2

W <sub>rack</sub>	Type	For cabinet type	Part No.	PU
800 and above	Type 1	MIR2 / DCM	05.040.221.9	4 pc



MEC20035

## Flexible cable routing bracket

- For flexible and orderly cable routing.
- Installation position and installation location may be freely chosen.
- Open design, no threading.

- **Material**
  - Round steel, d = 5 mm.

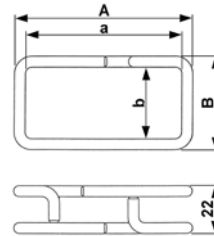
- **Surface**
  - Galvanized.

- **Scope of delivery**
  - 10 cable routing brackets.
  - Assembly material.

- **How supplied**
  - As a set.



MEC20065



MEC20108

A	A	W	W	Version	Part No.	PU
102	92	82	72	Figure 2	05.040.233.9	10 pc





ELM00028

### Marshaling rungs

- Ideal for vertical cable routing and support.
- Open design, no threading.
- Secured to the exterior side T-groove of the 19" extrusion.
- Installation position may be freely selected.
- From cabinet width 600 mm.

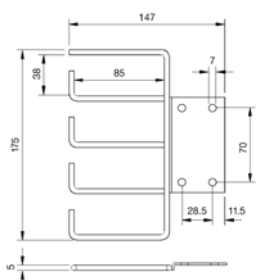
- **Material/Finish**
  - Round steel, d = 5 mm, galvanized.

- **Scope of delivery**
  - 2 marshaling rungs.

- **How supplied**
  - As a set.

- **Note**
  - Please also order matching securing material.

Z56-1/FH



ELM00029

Part No.	PU
01.117.033.7	2 pc



MIR00183

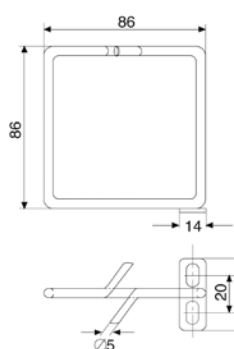
### Square cable routing bracket

- For orderly cable routing.
- Open design, no threading.
- Secured to the exterior side T-groove of the 19" extrusion.
- Installation position may be freely selected.
- From cabinet width 800 mm.

- **Surface**
  - Galvanized Zn 10c white.

- **Scope of delivery**
  - 4 vertical cable routing brackets.
  - Assembly material.

- **How supplied**
  - As a set.



ELM00057

W <sub>rack</sub>	Version	Part No.	PU
800 and above	86 x 86	05.040.224.9	4 pc



ELM20008

### Cable router ring

- For orderly cable routing.
- Open design, no threading.
- Secured to the vertical extrusion T-grooves.
- Installation position may be freely selected.

- **Material/Finish**
  - PA 6, GF 15, black, UL 94-HB.

- **Scope of delivery**
  - 5 cable routing rings.
  - Assembly material.

- **How supplied**
  - As a set.



ELM20007

Version	Part No.	PU
54 x 118 mm	01.312.207.9	5 pc



MEC20187

### Plastic Quick-Clamp cable routing bracket for T-groove – tool-free assembly

- Quick securing without tools.
- For orderly cable routing.
- Open design, no threading.
- Secured at any desired point on the T-grooves.

- **Material**
  - Nylon.
  - F.R.T., UL-94 HB.

- **Color**
  - Black.

- **Scope of delivery**
  - 10 plastic cable routing brackets.

- **How supplied**
  - As a set.



MEC20188

For cabinet type	Part No.	PU
DCM, Miracel	00.218.505.0	1 set

**Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

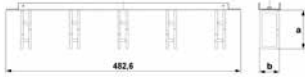
Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = standardized height unit	kg = Weight	1 mm	= 0.03937 inch
H = Height	d = Insertion depth	1 U = 44.45 mm		1 kg	= 2.2046 pounds
D = Depth	L = Length	PU = Packaging unit			



MEC20041

## 19" cable routing panel Flexible, 1 U

- For orderly cable routing.
- For safe routing of copper cables and fiber-optic cables.



MEC20102

### Material/Finish

- Front panel sheet steel 1.5 mm powder-coated.
- Cable routing bracket, round steel, d = 5 mm galvanized.

### Color

- Last figure in order number .1: RAL 7035 light gray.
- Last figure in order number .8: RAL 7021 black-gray.

### Outer dimensions

- Cable routings (a x b):
- 1 U: 82 x 43 mm.
  - 2 U: 102 x 82 mm.

### Scope of delivery

- 1 front panel.
- 5 cable routing panels.

### How supplied

- Pre-assembled.

### Note

Please also order matching front panel securing material.



MEC20076

W	U	Mount depth	Version	Part No.	PU
483	1	from 100 mm	Type 1	05.040.100.X	1 pc



MEC20224

## Cable trough

- For orderly cable routing in MIR2 and DCM cabinets.
- Cable secured using Velcro strips or cable ties.
- Slot width 9 mm for securing various parts to cage nut.

### Material/Finish

- Sheet steel 1.5mm, galvanized, powder-coated.

### Color

- Last figure in order number 1: RAL 7035 Light gray
- Last figure in order number .8: RAL 7021 black-gray.

### Scope of delivery

- 1 cable trough.
- Assembly material.

### How supplied

- As a set.

### Note

Please also order Velcro strip if desired.



MEC20067

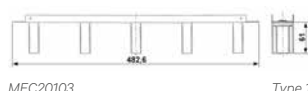
H	W	Version	Part No.	PU
2000	150	for cabinet types MIR2 and DCM	05.040.254.X	1 set
2200	150	for cabinet types MIR2 and DCM	05.040.255.X	1 set



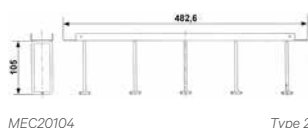
MEC00110 Type 1



MEC20014 Type 2



MEC20103 Type 1



MEC20104 Type 2

## 19" cable routing panel, 1 U

- For orderly cable routing.
- For safe routing of copper cables and fiber-optic cables.

### Material/Finish

- Type 1: Front panel sheet steel 1.5 mm powder-coated.
- Type 2: Front panel sheet steel 1.0 mm powder-coated.

### Color

- Last figure in order number .1: RAL 7035 light gray.
- Last figure in order number .8: RAL 7021 black-gray.

### Outer dimensions

- Cable routing:
- Type 1: 55 x 22 mm, plastic.
  - Type 2: 95 x 32 mm, steel.

### Scope of delivery

- 1 19" front panel.
- 5 cable routings.

### How supplied

- Pre-assembled.

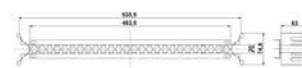
### Note

Please also order matching front panel securing material.

W	U	Mount depth	Version	Part No.	PU
483	1	from 80 mm	Type 1	05.040.111.1	1 pc
483	1	from 123 mm	Type 2	01.117.144.X	1 pc



MEC20081



MEC20105



MEC20058

## FO cable routing panel 1 U

- For orderly cable routing.
- For safe cable routing of fiber-optic cables.
- Optionally supplied with covering panels for cable protection and labeling.

### Material/Finish

- FO cable routing panel: Sheet steel 1.5 mm, powder-coated.
- Covering accessory: Aluminum 2.5 mm, powder-coated.
- Covering accessory: Aluminum 2.5 mm, powder-coated.

### Color

- Last figure in order number .1: RAL 7035 Light gray

### Scope of delivery

- 1 19" cable routing panel.

### How supplied

- Individually.

### Note

Please also order matching front panelsecuring material and covering.  
Not suitable for cabinet widths 600 mm and 700 mm (asymmetrical)!

W	U	Version	Part No.	PU
483	1	Cable routing panel	05.040.050.1	1 pc

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = standardized height unit	kg = Weight	1 mm = 0.03937 inch	
H = Height	d = Insertion depth	1 U = 44.45 mm		1 kg = 2.2046 pounds	
D = Depth	L = Length	PU = Packaging unit			



LUF20203



LUF20205



LUF20124

## Vertiv™ Knürr® CoolBlast® Fan Unit for Roof Installation unregulated and thermostatically controlled

- For forced cooling of the cabinet.
- Suitable for retrofitting in MIR2/DCM® roof.
- DC versions and 115 VAC versions on request (see CoolBlast® fan inserts).
- In thermostatically-controlled version:  
Thermostatically-controlled fan function (ON/OFF), adjustable from 0° to +60° C.

### Material

- Housing: Sheet steel, stainless steel mesh.

### Surface

- Galvanized.

### Approvals

- CE marking in accordance with Low Voltage Directive 73/23/EEC, EMC Directive 89/366/EEC.

### Scope of delivery

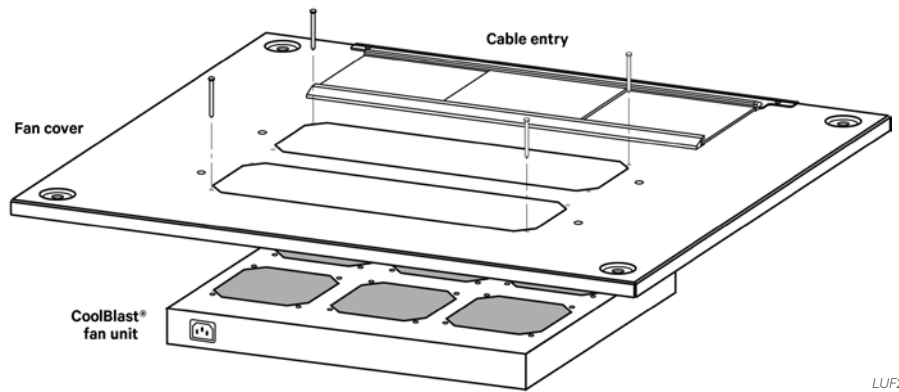
- 1 CoolBlast fan unit.
- 13 m network cable with safety plug (230 VAC).
- Assembly material.
- Operating manual.

### How supplied

- Assembled, wired and tested.

### Note

- Please additionally order specific network cable!



LUF20175

Designation	Version	Electrical Connection	P(W)	V̇ (m³/h)	ΔP(Pa)	p (dB(A))	Part No.	PU
CoolBlastT 230V triple	Thermostat	207..253 VAC; 50/60 Hz	45	495	74	45.2	03.027.311.1	1 pc

**P** - Priority item (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:		Conversion:	
W = Width	H = Installation height	U = standardized height unit	Kg = Weight
H = Height	D = Usable depth	1 U = 44.45 mm	1 mm = 0.03937 inch
D = Depth	L = Length	PU = Packaging unit	1 kg = 2.2046 pounds
SP = Standard Performance	V̇ = Air volume flow (m³/h)		
HP = High Performance	ΔV̇ = Loss of air volume flow (%)		
UP = Ultra High Performance	ΔP = Pressure increase (Pa)		
n = Number of fans	I nom. = nominal current (A)		
W = Power consumption	I max. = Starting current (A)		
V = Voltage (400V = 3-phase)	p = Acoustic pressure (dB(A)) at 1 meter distance from cabinet (600 mm x 600 mm; raised cover)		



LUF20128



LUF20140



LUF20054

## 19" Vertiv™ Knürr® CoolBlast® Fan Unit Speed-regulated

- Fan unit for vertical ventilation of assemblies in 19" racks.
- Adjustable required temperature (20°C to 55°C).
- Speed regulation 30% to 100% of the nominal speed, in the case of sensor failure 100% of speed.
- Individual fan monitoring.
- Potential-free collective alarm output for exceeded temperature alarm and fan failure.
- Optical status display for OK, exceeded temperature and fan failure.
- Acoustic warning can be switched off via button.
- Insertion rails recommended for assembly. Chassis rails are required with 6-piece CoolBlast (use depth-adjustable chassis runners).

### Material

- Sheet steel, stainless steel mesh.

### Surface/Color

- Galvanized housing.
- Front screen smooth powder-coated RAL 7035 light gray.

### Approvals

- CE designation in accordance with Low Voltage Directive 73/23/EEC, EMC Directive 89/366/EEC.

### Scope of delivery

- 1 CoolBlast fan unit, packaged with operating manual.
- 1 sensor cable 2 m (pluggable).
- 1 signal cable 2 m (pluggable).

For DC devices only:

- 1 connection cable 2 meters with connecting plug- and free ends.

For AC devices only:

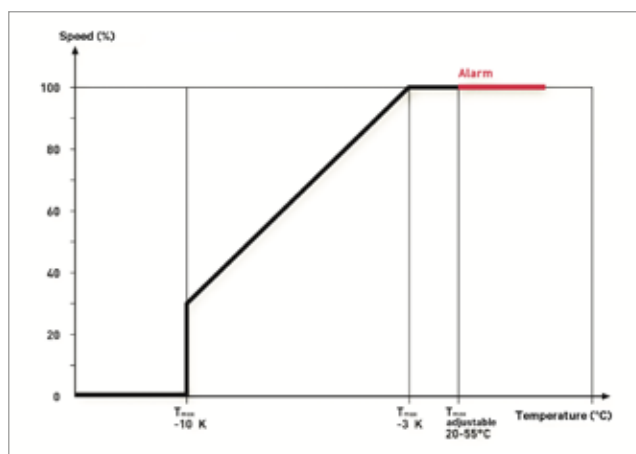
- 1 connection cable 2 metres, Schuko cold devices.

### How supplied

- Assembled, wired, tested.

### Note

In the case of projects, additional close-to-standard characteristics are possible.



LUF20179

Designation	W	H	D	kg	n	Electrical Connection	P(W)	$\dot{V}$ (m <sup>3</sup> /h)	$\Delta P$ (Pa)	p (dB(A))	Part No.
CoolBlast 115/230V, triple regulated HP	440	43.6	230	3.2	3	100 to 253VAC; 50/60Hz	32	711	173	55.8	03.027.024.1



LUF20160



LUF20161



LUF20124

## Vertiv™ Knürr® CoolBlast® Fan Unit for RoofR Installation Speed-regulated

- For forced cooling of the cabinet.
- suitable for retrofitting in MIR2/DCM® roof.
- DC version on request (see Cool-Blast® fan inserts).
- Adjustable required temperature (20° to 55° C).
- Speed regulation 30 to 100 %, in the case of sensor failure 100 % of speed.
- Individual fan monitoring.
- Potential-free collective alarm output for over temperature and fan failure.
- Optical status display for OK, exceeded temperature and fan failure.
- Acoustic warning inc. reset button.

### Material

- Housing: Sheet steel, stainless steel mesh.

### Surface

- Galvanized, smooth powder-coated front blind RAL 7035 light gray

### Approvals

- CE marking in accordance with Low Voltage Directive 73/23/EEC, EMC Directive 89/366/EEC.

### Scope of delivery

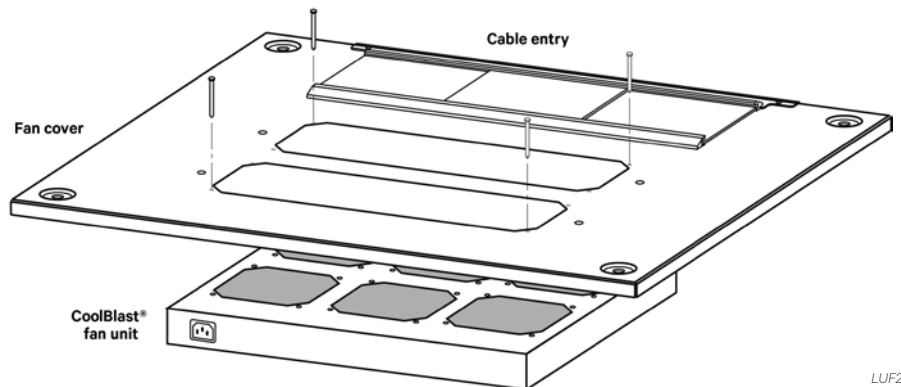
- 1 CoolBlast fan unit.
- 1 sensor cable 2 meters (pluggable).
- 1 signal cable 2 meters (pluggable).
- 1 network cable 3 meters with safety plug (230 VAC).
- Assembly material.
- Operating manual.

### How supplied

- Assembled, wired and tested.

### Note





- Please additionally order specific network cable!




LUF20175

Designation	Version	Electrical Connection	P(W)	V̇ (m³/h)	ΔP(Pa)	p (dB(A))	Part No.	PU
CoolBlastT 230V triple	regulated HP	100..253 VAC; 50/60 Hz	32	711	173	55.8	03.027.324.1	1 pc
CoolBlastT 230V 6**	regulated HP	100..253 VAC; 50/60 Hz	62	1422	173	59.1	03.027.325.1	1 pc

## Technical Data for Axial Single Fans

	Vertiv Knürr CoolBlast	Vertiv Knürr CoolBlast
Article number	01.914.075.9	01.914.051.9
Dimensions L x W x H	119 x 119 x 38	119 x 119 x 38
Max. volume flow, free-blowing	237 m <sup>3</sup> /h	165 m <sup>3</sup> /h
Voltage	24 VDC	230 VAC
Frequency		50 Hz
Power consumption	11 W	15 W
Noise level free-blowing	59 dB(A)	38 dB(A)
Bearing system	Ball bearing	Ball bearing
Nominal speed	4400 min-1	2600 min-1
Permitted environmental temperature	-30 °C to +55 °C	-40 °C to +60 °C
Lifespan L10 at 40°C	70,000 h	43,500 h
Standards	CE, VDE	CE, VDE
<b>Deployed in fan unit:</b>	<b>03.027.024.1</b>  <b>03.027.324.1</b>  <b>03.027.325.1</b> 	<b>03.027.311.1</b> 

 **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:		Conversion:	
W = Width	H = Installation height	U = standardized height unit	Kg = Weight
H = Height	D = Usable depth	1 U = 44.45 mm	1 mm = 0.03937 inch
D = Depth	L = Length	PU = Packaging unit	1 kg = 2.2046 pounds
SP = Standard Performance	$\dot{V}$ = Air volume flow (m <sup>3</sup> /h)		
HP = High Performance	$\Delta\dot{V}$ = Loss of air volume flow (%)		
UP = Ultra High Performance	$\Delta P$ = Pressure increase (Pa)		
N = Number of fans	I nom. = nominal current (A)		
W = Power consumption	I max. = Starting current (A)		
V = Voltage (400V = 3-phase)	P = Acoustic pressure (dB(A)) at 1 meter distance from cabinet (600 mm x 600 mm; raised cover)		

# Vertiv™ MPX™ – Adaptive Rack PDU

React to changes and work profitably

Our Priority PDU Range View the entire range in our new IT Special Catalog or find your dream PDU at <https://findyourpdu.com/de>

## Vertiv™ MPX™ – Configuration models in Europe

		Four models				
		Order number	MPX Elementary	MPX Elementary Phase-monitored	MPX Branch-monitored	MPX Receptacle-managed
<b>Busbar</b>	Length 1035	MPXPRC-V1035XXX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Length 1880	MPXPRC-V1880XXX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Input module</b>	3ph 16A fixed	MPXPEM-EHABXT30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3ph 32A fixed	MPXPEM-EHABXR30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Output module Elementary</b>	IEC-C13 L1 (7)	MPXBRM-EEBC7N1N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	IEC-C13 L2 (7)	MPXBRM-EEBC7N2N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	IEC-C13 L3 (7)	MPXBRM-EEBC7N3N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	IEC-C19 L1 (4)	MPXBRM-EEBC4O1N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	IEC-C19 L2 (4)	MPXBRM-EEBC4O2N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	IEC-C19 L3 (4)	MPXBRM-EEBC4O3N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Schuko L1 (3)	MPXBRM-EEBC3P1N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Schuko L2 (3)	MPXBRM-EEBC3P2N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Schuko L3 (3)	MPXBRM-EEBC3P3N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Output module Receptacle-managed</b>	IEC-C13 L1 (6)	MPXBRM-ERBC6N1N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IEC-C13 L2 (6)		MPXBRM-ERBC6N2N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IEC-C13 L3 (6)		MPXBRM-ERBC6N3N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IEC-C19 L1 (4)		MPXBRM-ERBC4O1N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IEC-C19 L2 (4)		MPXBRM-ERBC4O2N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IEC-C19 L3 (4)		MPXBRM-ERBC4O3N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

↑ Upgrades possible ↓

← Different combinations are possible →

\*Attention:

### Input module (Vertiv MPX PEM):

Conducts the input electricity to the busbar system. Elementary version (without RPC2™) and version with input measurement (with pre-installed RPC2™) are available.

### Output modules (Vertiv MPX BRM):

With overload protection, distribute the electricity to the individual servers. Available in the functions Elementary, Branch measurement and Output measurement with switch function.

### Communication module (RPC2):

Installed in the electricity input module and offers an extensible interface for network communication, sensors and the local display.

### The busbar (Vertiv™ MPX™ PRC):

serves for electricity and communication distribution to all supported modules. Available in two heights, making differing rack heights possible.





DOS20153

## Vertiv™ MPX™ – Input Module/Power Supply

### Elementary and Monitored types

- The Vertiv MPX PEM is secured to the Vertiv MPX PRC and establishes the connection to the power supply.
- Securely connected supply line, cable length 3 meters.
- With IEC60309 plug 1Ph/N/PE 6h blue, 3ph/N/PE 6h red.

### Monitored type

- The Vertiv MPX PEM establishes the connection to the data bus for data communication.
- Integrated communication card, RPC2, facilitates remote monitoring and maintenance of the Vertiv MPX units.
- Provides the following values for the phase inputs: Voltage, current, active power, consumption and frequency.
- Also supports current alarm functions for individual phases and their operating status.
- Further key characteristics: Three displays update users on the current state of each individual input. An acoustic alarm is activated in specific overload conditions.
- The communication card centralizes the local and remote administration of the Vertiv MPX.
- Also serves as a connection point for varied support options and devices, such as e.g. the display module (RPC BDM), various sensors and connection to other Vertiv MPX or Vertiv MPH2™ systems.
- Possesses RJ-45 connectors for all connections (except USB port) and requires no special cabling.

### Technical data

#### Interfaces:

- RJ-45 LAN port (10/100/1000 Mbit) – for connection to the local area network (LAN) via Ethernet cable.
- Extension/Administration port for local configuration using a computer/laptop, for creating a series of multiple PDUs (Vertiv MPX or Vertiv MPH2).

- Serial interface RS232.
- Display port for connection of the RPC BDM (display module).
- External sensor port for connection of the optional sensors.
- Remote Management: Onboard Web Interface, CLI, SNMPv1,2,3, SSH, Telnet Syslog, can be integrated in Avocent ACS, UMG & MPU, SiteScan, DSView, Rack Power Manager, Vertiv Nform & Vertiv *Trellis* as well as in Nagios or other management software programs.
- Authentication: Local, Remote: Active Directory, LDAP, TACACS, Radius, Kerberos.
- Encryption: MD5, AES, DES.

### Material/Finish

- Housing: Aluminum.
- Covering: Sheet steel.
- Electrical contacts: Silver-plated.
- Data bus contacts: Gold-plated (Monitored type only).

### Dimensions

- Width: 75 mm.
- Height: 65 mm.
- Supply line: 3 meters.

### Color

- Housing: Aluminum/RAL 7021 black-gray.

### Approvals

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - EMC Directive 2014/30/EU
  - RoHS-Directive 2011/65/EC.
- Bureau-Veritas BG Certificate (Factory inspection).
- Bureau-Veritas CB Certificate.

### Scope of delivery

- 1 Vertiv MPX PEM power input module.
- Incl. connection cable.
- Inc. RPC2 communication card (Monitored type only).

L	W	H	Feed	Load capacity	Type	Part No.	PU
220	75	65	Fixed	230/400VAC, max. 16 A	Monitored	<b>MPXPEM-EHABXT30</b>	1 pc
220	75	65	Fixed	230/400VAC, max. 32 A	Monitored	<b>MPXPEM-EHABXR30</b>	1 pc

#### Dimensions in mm:

W = Width	N = Number of sockets	U = standardized height unit
H = Height	F1 = Standard side panel	1 U = 44.45 mm
L = Length	F2 = Designer side panel	PU = Packaging unit
S = Switch	19" = suitable for 19" installation	Safe = childproofing

#### Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds

Substitute .x with the number of the desired color combination: .1 = RAL 7035, .6 = RAL 7035/RAL 2003

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.



DOS20153

## Vertiv™ MPX™ BRM – Output Module

- The Vertiv MPX BRM effects the distribution of capacity to the individual consumers.
- Each module deals with one phase; this is indicated on the module in color.
- All modules are protected against overloading with a 20 A circuit breaker.
- Module exchange during operation facilitates a user-defined installation, without needing to shut down the Vertiv MPX.

### Material/Finish

- Housing: Aluminum.
- Covering: Sheet steel.
- Electricity contacts: silver-plated.
- Data bus contacts: gold-plated (Types B and R only).

### Dimensions

- Width: 75 mm / Height: 65 mm.

### Color

- Housing: Aluminum/RAL 7021 black-gray.

### Approvals

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - EMC Directive 2014/30/EU
  - RoHS-Directive 2011/65/EC.
- Bureau-Veritas BG Certificate (Factory inspection).
- Bureau-Veritas CB certificate.

### Scope of delivery

- 1 output module.
- 1 operating manual.

### Type E – Elementary

- Module for electricity distribution via corresponding outputs.

### Type B – Branch-monitored

- Module for electricity distribution via corresponding outputs with measurement function at module level.
- The Vertiv MPX BRMs have an LED ID indicator, which clearly identifies each module with a numerical value.
- The modules are managed in the software.
- Provide following readings: Voltage, current, capacity, rail capacity, kWh and power factor.
- Current alarm functions and operating status are supported.

### Type R – Receptacle Managed:

- Module for electricity distribution via corresponding outputs with measurement function at module level and output level.
- The Vertiv MPX BRMs have an LED ID indicator, which clearly identifies each module with a numerical value.
- The modules are managed in the software.
- Provide following readings: Voltage, current, capacity, rail capacity, kWh, Frequency, power factor and crest factor.
- Current alarm functions and operating status are supported.
- The individual outputs can be switched on and off remotely.

L	n	Outputs	Load capacity per output	Phase pickup	Type	Part No.	PU
266	7	IEC320 C 13	10 A	L1	E	MPXBRM-EEBC7N1N	1 pc
266	7	IEC320 C 13	10 A	L2	E	MPXBRM-EEBC7N2N	1 pc
266	7	IEC320 C 13	10 A	L3	E	MPXBRM-EEBC7N3N	1 pc
266	4	IEC320 C 19	16 A	L1	E	MPXBRM-EEBC4O1N	1 pc
266	4	IEC320 C 19	16 A	L2	E	MPXBRM-EEBC4O2N	1 pc
266	4	IEC320 C 19	16 A	L3	E	MPXBRM-EEBC4O3N	1 pc
266	3	Schuko CEE 7/4	16 A	L1	E	MPXBRM-EEBC3P1N	1 pc
266	3	Schuko CEE 7/4	16 A	L2	E	MPXBRM-EEBC3P2N	1 pc
266	3	Schuko CEE 7/4	16 A	L3	E	MPXBRM-EEBC3P3N	1 pc
266	6	IEC320 C 13	10 A	L1	R	MPXBRM-ERBC6N1N	1 pc
266	6	IEC320 C 13	10 A	L2	R	MPXBRM-ERBC6N2N	1 pc
266	6	IEC320 C 13	10 A	L3	R	MPXBRM-ERBC6N3N	1 pc
266	4	IEC320 C 19	16 A	L1	R	MPXBRM-ERBC4O1N	1 pc
266	4	IEC320 C 19	16 A	L2	R	MPXBRM-ERBC4O2N	1 pc
266	4	IEC320 C 19	16 A	L3	R	MPXBRM-ERBC4O3N	1 pc



DOS20153

## Vertiv™ MPX™ PRC – Power Distribution Rail/Communication Bus

- The Vertiv MPX PRC represents the foundation stone of the Vertiv MPX energy distribution unit.
  - Power and data transfer buses are securely integrated along the full length of the Vertiv MPX PRC.
  - The Vertiv MPX BRMs (output modules) and the Vertiv MPX PEM (power input module) are secured on the Vertiv MPX PRC and, depending on module type, effect the electricity feed, power output, monitoring and management.
- **Material/Finish**
    - Busbar housing: Aluminum.
    - Busbars: Copper.
    - Data bus: gold-plated.
  - **Dimensions**
    - Width: 68 mm.
    - Height: 24 mm.
  - **Color**
    - Housing: Aluminum.
  - **Standards**
    - CE designation in accordance with:
      - Low Voltage Directive 2014/35/EU
      - EMC Directive 2014/30/EU
      - RoHS-Directive 2011/65/EC.
    - Bureau-Veritas BG Certificate (Factory inspection).
    - Bureau-Veritas CB certificate.
  - **Load capacity**
    - Max. current strength: 3 x 63 A.
    - Nominal voltage (L-N / L-L): 230 / 400 VAC.
  - **Scope of delivery**
    - 1 Vertiv MPX PRC - power distribution rail/communication bus.
    - 1 securing set.

L	W	H	U	Version	Order no.	PU
1035	68	24	23	1 PEM (220 mm) + 3 BRM	<b>MPXPRC-V1035XXX</b>	1 pc
1880	68	24	42	1 PEM (220/266 mm) + 6 BRM	<b>MPXPRC-V1880XXX</b>	1 pc



DOS20153

## Vertiv MPX/Vertiv MPH™/Vertiv MPH2™/IMS™ – Sensors

- The sensors have been designed for tool-free installation in a Vertiv Knürr MIR / DCM cabinet, but can also be installed in any other rack.
  - "Fixed" type sensors are secured to a cable.
  - "Modular" type sensors can be connected using the cable supplied.
  - Are plugged into the RPC-1000 or RPC2 communication card.
  - Several sensors can be plugged together in series.
  - Are automatically displayed in the Vertiv MPX/Vertiv MPH/Vertiv MPH2/IMS software.
  - Temperature measurement range: 5–60° C.
  - Precision: +/- 0.5° C.
  - Air humidity measurement range: 10–95 %.
  - Precision: +/- 3.5 %.
- **Note**

The sensors are not required for the operation of the Vertiv MPX or Vertiv MPH, Vertiv MPH2, IMS, but require a communication card themselves.
  - **Scope of delivery**
    - 1 sensor with connection cable.
    - 1 operating manual.

Cable length	Type	Version	Part No.	PU
5180	fixed	Triple temperature probe + single air humidity	<b>SN-Z03</b>	1 pc
2000	modular	Single temperature probe	<b>SN-T</b>	1 pc
2000	modular	Single temperature probe + single air humidity	<b>SN-TH</b>	1 pc
2000	modular	2 x door contacts - input module*	<b>SN-2D</b>	1 pc

\* Matching door contact switch: Order no.: 06.108.115.9

Dimensions in mm:			Conversion:	
W = Width	n = Number of sockets	U = standardized height unit	1 mm = 0.03937 inch	
H = Height	F1 = Standard side panel	1 U = 44.45 mm	1 kg = 2.2046 pounds	
L = Length	F2 = Designer side panel	PU = Packaging unit		
S = Switch	19" = suitable for 19" installation	safe = childproofing		

- **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

# Vertiv™ MPH2™ – Managed Rack PDU

## Systems monitoring and control

Our Priority PDU Range View the entire range in our new IT Special Catalog or find your dream PDU at <https://findyourpdu.com/de>

### Vertiv™ MPH2™

- The Vertiv MPH2 is a power distribution unit for IT cabinets with the option to measure electrical readings. Additionally and depending on model, individual outputs can be controlled via remote.
- The integrated RPC2 communications card facilitates the interconnection of up to 4 Vertiv MPH2 / Vertiv MPX units as well as the remote monitoring and maintenance of all connected unit. Up to 10 sensors (temperature, air humidity, door contacts as well as potential-free input contacts) can be connected.
- The Vertiv MPH2 unit has an integrated display, and in addition the RPCBDM-1000 external display module can be optionally connected and flexibly secured to the cabinet.
- Special locking cables can be connected to the outputs.
- Depending on model type, the Vertiv MPH2 connection cable is securely attached to the housing

#### ■ Vertiv MPH2™ Models

- **Vertiv MPH2 B** – Measurement per phase as well as per group (only versions >16 A input current).
- **Vertiv MPH2 C** – Measurement per phase as well as per group (only versions >16 A input current). In addition, the outputs may be switched on and off individually via remote.
- **Vertiv MPH2 M** – Measurement per phase, per group (only versions >16 A input current) as well as per output.
- **Vertiv MPH2 R** – Measurement per phase, per group (only versions >16 A input current) as well as per output. In addition, the outputs may be switched on and off individually via remote.

#### ■ Material/Finish/Color

- Closed housing, aluminum extrusion, upper section powdered in RAL 7021 fine structure, plastic parts recyclable vampamide 6 0024 V0 (UL94), colored fine structure RAL 9005.

- (Cable length 3 m) or a connection cable can be directly connected on site (models with connection block).
- Remote Management: Onboard Web Interface, CLI, SNMPv1,2,3, SSH, Telnet, may be integrated in Avocent ACS, UMG & MPU, DSView, Rack Power Manager, Vertiv Nform & Vertiv *Trellis* as well as in Nagios and other management software programs.
- Authentication: Local, Remote: Active Directory, LDAP, TACACS, Radius, Kerberos. Encryption: MD5, AES, DES.
- Measurement parameters: Current (A), voltage (V), active power (W), apparent power (VA), consumption (kWh), power factor, frequency and crest factor (Types M and R only); accuracy of measurement: +/-1% (V,A).

#### ■ Mechanical dimensions

- Vertical models:  
Width x depth x length (mm): 56 x 50 x (see table).
- Horizontal models:  
1 U: Width x depth x height (mm): 482.6 (440) x 250 x 44.  
2 U: Width x depth x height (mm): 482.6 (440) x 250 x 88.

#### ■ Standards

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - EMC Directive 2014/30/EU
  - RoHS-Directive 2011/65/EC.
- Bureau-Veritas BG-Certificate (factory inspection)
- Bureau-Veritas CB certificate.

#### ■ Scope of delivery

- Vertiv MPH2 Rack PDU.
- Standard securing bracket.
- Safety information.
- Quickstart Guide.



#### SN sensors:

Consolidate the environmental monitoring of temperature, air humidity and potential-free input contacts with the power supply at rack level.

#### Flexible network cable insertion:

Simplifies the installation of the Rack PDU.

#### Integrated display:

For easy access to important information at the rack.

#### Extra-flat overload switch:

For compact construction, minimises the space requirement within the rack.

#### Communication module (RPC2™):

Offers extensible interfaces for network communication sensors and local display.

#### Special Vertiv Knürr DCM-Rack attachment without tools:

Reduced installation costs, together with even more space in the rack for cables and other components.

#### Dimensions in mm:

Dimensions in mm:		Conversion:	
W = Width	n = Number of sockets	U = standardized height unit	1 mm = 0.03937 inch
H = Height	F1 = Standard side panel	1 U = 44.45 mm	1 kg = 2.2046 pounds
L = Length	F2 = Designer side panel	PU = Packaging unit	
S = Switch	19" = suitable for 19" installation	safe = childproofing	

**P** - Priority item (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

## Vertiv™ MPH2™ Types for Europe

### Vertical models

Model / Functions	Vertiv MPHR	Vertiv MPHM	Vertiv MPH C	Vertiv MPH B
Input / Group measurement	■	■	■	■
Output measurement	■	■		
Output switching	■		■	

Type	Input values		Input plug	Outputs		Lengths (mm)	Order number
	Voltage	Current		C13	C19		
W	230V	16A	C20 inlet	17	2	916.5	MPHB3241
W	230V	16A	IEC 60309 16A 1P+N+G	30	6	1736.5	MPHB1242
W	230V	32A	IEC 60309 32 A 1P+N+G	30	6	1736.5	MPHB1243
W	230/400V	3 x 16A	IEC 60309 16A 3P+N+G	30	6	1736.5	MPHB1244
W	230/400 V	3 x 32A	IEC 60309 32A 3P+N+G	18	12	1826.5	MPHB1345
W	230/400 V	3 x 32A	Connection Unit	18	12	1826.5	MPHB1362
W	230/400V	3 x 32A	IEC 60309 32A 3P+N+G	30	6	1826.5	MPHB1245
C	230V	32A	IEC 60309 32A 1P+N+G	18	6	1736.5	MPHC1143
C	230V	32 A	IEC 60309 32 A 1P+N+G	24		1736.5	MPHC1243
M	230V	32 A	IEC 60309 32 A 1P+N+G	18	6	1736.5	MPHM1143
R	230V	16 A	C20 inlet	18	6	1736.5	MPHR1141
R	230V	16 A	IEC 60309 16 A 1P+N+G	24		1736.5	MPHR1242
R	230V	32 A	IEC 60309 32 A 1P+N+G	18	6	1736.5	MPHR1143
R	230V	32 A	IEC 60309 32 A 1P+N+G	24		1736.5	MPHR1243
R	230/400 V	3 x 16 A	IEC 60309 16 A 3P+N+G	18	6	1736.5	MPHR1144
R	230/400 V	3 x 32 A	IEC 60309 32 A 3P+N+G	18	6	1736.5	MPHR1145

## Vertiv™ MPH2™ Types for Europe

### Horizontal models

Model / Functions	Vertiv MPHR	Vertiv MPHM	Vertiv MPH C	Vertiv MPH B
Input / Group measurement	■	■	■	■
Output measurement	■	■		
Output switching	■		■	

Type	Input values		Input plug	Outputs		Order number
	Voltage	Current		C13	C19	
W	230V	16 A	C20 inlet	12		MPHB2141
R	230V	16 A	C20 inlet	9		MPHR2141
R	230V	32 A	IEC 60309 32 A 1P+N+G	9		MPHR2143



DOS20153

## Vertiv™ MPX™/Vertiv MPH™/Vertiv MPH2™/IMS™ – Sensors

- The sensors have been designed for tool-free installation in a Vertiv Knürr MIR / DCM cabinet, but can also be installed in any other rack.
- "Fixed" type sensors are secured to a cable.
- "Modular" type sensors can be connected using the cable supplied.
- Are plugged into the RPC-1000 or RPC2 communication card.
- Several sensors can be plugged together in series.
- Are automatically displayed in the Vertiv MPX/Vertiv MPH/Vertiv MPH2/IMS software.
- Temperature measurement range: 5-55° C.
- Precision: +/- 0.5° C.
- Air humidity measurement range: 10-95 %.
- Precision: +/- 3.5 %.

**Note**

The sensors are not required for the operation of the Vertiv MPX or Vertiv MPH, Vertiv MPH2, IMS, but require a communication card themselves.

**Scope of delivery**

- 1 sensor with connection cable.
- 1 operating manual.

Cable length	Type	Version	Part No.	PU	
5180	fixed	Triple temperature probe + single air humidity	<b>SN-Z03</b>	1 pc	<b>P</b>
2000	modular	Single temperature probe	<b>SN-T</b>	1 pc	<b>P</b>
2000	modular	Single temperature probe + single air humidity	<b>SN-TH</b>	1 pc	<b>P</b>
2000	modular	2 x door contacts - input module*	<b>SN-2D</b>	1 pc	<b>P</b>

\* Matching door contact switch: Order no: 06.108.115.9

**P** = **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:		Conversion:	
W = Width	n = Number of sockets	U = standardized height unit	1 mm = 0.03937 inch
H = Height	F1 = Standard side panel	1 U = 44.45 mm	1 kg = 2.2046 pounds
L = Length	F2 = Designer side panel	PU = Packaging unit	
S = Switch	19" = suitable for 19" installation	safe = childproofing	

# Vertiv™ MPE – Rack PDU

Reliable power distribution for your data center

Our Priority PDU Range View the entire range in our new IT Special Catalog or find your dream PDU at <https://findyourpdu.com/de>



Vertiv MPE1345

## Vertiv™ MPE – Rack PDU

- The Vertiv MPE Rack PDU is an electricity distribution unit for data center applications. It offers all necessary functions of a rack-based electricity distribution unit and guarantees reliable power distribution. A broad range of IT devices and other sensitive electrical loads can be connected to it.
- Special cables with a locking function can be connected to the outputs.
- Depending on model type, the Vertiv PH2 connection cable is securely attached to the housing (supply line length 3 meters), or a connection cable can be directly connected on site (models with terminal block).
- The PDU can be installed without tools in ENP Vertiv Knürr Racks or other housing systems with appropriate spaces.
- In the case of 32A models, the individual groups are protected with a 20A circuit breaker (hydraulic, magnetic).
- Max. operating temperature is 60°C (does not apply to Vertiv MPE-3345-002; this type has 6 x 16A circuit breaker).

### Material / Surface / Color

- Closed housing, aluminum extrusion, upper section powdered in RAL 7021 fine structure, plastic parts recyclable vampamide 60024 V0 (UL94), colored fine structure RAL 9005.

### Mechanical dimensions

- Width x depth x length (mm)  
56 x 50 x (see table)

### Standards

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - RoHS Directive 2011/65/EC.
- Bureau-Veritas BG Certificate (Factory inspection).
- Bureau-Veritas CB certificate.

Input values		Input plug	Outputs			Lengths (mm)	Part No.	
Voltage	Current		C13	C19	Schuko			
100-240V	16A	C20 inlet	24			826.5	MPE-3241	
230V	16A	IEC 60309 16A 1P+N+G	18	3		826.5	MPE-3142	
230V	16A	IEC 60309 16A 1P+N+G	24			826.5	MPE-3242	
230V	32A	IEC 60309 32 A 1P+N+G	36	6		1736.5	MPE-1243	
230V	32A	IEC 60309 32 A 1P+N+G	24	6	3	1736.5	MPE-1543	
230/400 V	3 x 16A	IEC 60309 16 A 3P+N+G	36	12		1736.5	MPE-1144	
230/400 V	3 x 32A	IEC 60309 32A 3P+N+G	36	6		1736.5	MPE-1245	
230/400 V	3 x 32A	IEC 60309 32A 3P+N+G	24	12		1736.5	MPE-1345	
230/400 V	3 x 32A	IEC 60309 32A 3P+N+G	24	6	3	1736.5	MPE-1545	

# Vertiv™ Knürr® DIS Rack PDU® – Basic Rack PDU

Robust PDUs with useful features

Our Priority PDU Range View the entire range in our new IT Special Catalog or find your dream PDU at <https://findyourpdu.com/de>



DOS20062



DOS00458



DOS00460



DOS20102

## Vertiv™ Knürr® DIS Rack PDU® Cold Device Plug System IEC 320

- Optionally with illuminated switch, bi-polar switching.
- 19" installation possible.
- With cold device combinations from IEC 320 sockets C13 and C19.
- Supply line:
  - H05VV-F 3 G 1.5 mm<sup>2</sup> (16 A types)
  - H05VV-F 3 G 4 mm<sup>2</sup> (32 A types).
- Supply line: 2.5 m / 5 m.

### Material/Finish

- Housing: closed sheet steel extrusion, galvanized, powder-coated structure.
- Plastic parts: vampamide 6 0024 VO (UL94), recyclable.

### Dimensions

- Height: 45.5 mm.
- Housing width: 44.4 mm (= 1 U).

### Approvals/certificates

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - EMC Directive 2014/30/EU
  - RoHS-Directive 2011/65/EC.
- Bureau-Veritas BG Certificate (Factory inspection).
- Bureau-Veritas CB Certificate.
- CSA (only types with IEC60320 input).

### Color

- Housing: RAL 7035 light gray.
- Plastic parts: RAL 7021 black-gray.

### Scope of delivery

- 1 socket strip.
- 2 securing brackets.

VERTIV KNÜRR DIS Rack PDU Model	Input values		Input plug	Outputs						L	S	F1	F2	19"	safe	Part No.
	Voltage	Current		C13	C19	Schuko	UTE	Type 13	Type 23							

Cold device plug IEC320 system																	
with supply line	230V	10 A	IEC60320 C13	12						483						03600.3121	
Cold device input in plug field	230V	10 A	IEC60320 C14 inlet	6						383						03622.0061	
	230V	10 A	IEC60320 C14 inlet	9						483						03622.0091	
Cold device input in side panel	230V	10 A	IEC60320 C14 inlet	6						383						03624.7061	
	230V	10 A	IEC60320 C14 inlet	9						483						03624.7091	

= **Priority item** (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:			Conversion:		
W = Width	n	= Number of sockets	U	= standardized height unit	1 mm = 0.03937 inch
H = Height	F1	= Standard side panel	1 U	= 44.45 mm	1 kg = 2.2046 pounds
L = Length	F2	= Designer side panel	PU	= Packaging unit	
S = Switch	19"	= suitable for 19" installation	safe	= childproofing	





DOS20126

## Vertiv Knürr DIS Rack PDU TriplePower® Cold Device Plug System IEC 320 with supply line

- Supply line:
    - H05VV-F 5 G 2.5 mm<sup>2</sup> (3 x 16 A types)
    - H05VV-F 5 G 4 mm<sup>2</sup> (3 x 32 A types).
  - Supply line: 2.5 m (optionally with IEC60309 plug 3Ph/N/PE 6h).
  - Easy assembly on cabinet extrusion.
  - 3 x 16 A feed-in as standard.
  - Ideal for realizing redundancies (e.g. 96 A with redundant feed-in).
  - Color labeling of phase allocation.
  - Optimum distribution over the total cabinet height (23 U or 41 U).
  - Alternative to 3-phase GST18 system.
- **Material/Finish**
    - Housing: closed sheet steel extrusion, galvanized, powder-coated structure.
    - Plastic parts: vampamide 6 0024 VO (UL94), recyclable.
- **Dimensions**
    - Height: 45.5 mm.
    - Housing width: 44.4 mm (= 1 U).
- **Approvals/certificates**
    - CE designation in accordance with:
      - Low Voltage Directive 2014/35/EU
      - EMC Directive 2014/30/EU
      - RoHS-Directive 2011/65/EC.
      - Bureau-Veritas BG Certificate (Factory inspection).
      - Bureau-Veritas CB certificate.
- **Color**
    - Housing: RAL 7035 light gray.
    - Plastic parts: RAL 7021 black-gray.
- **Load capacity**
    - 100-240/173-415 Vac.
    - Input: 3 x 16 A.
    - Output: 10 A (C13).
    - Output: 16 A (C19 / Schuko).
- **Scope of delivery**
    - 1 socket strip.
    - 2 securing brackets.

VERTIV KNÜRR DIS Rack PDU Model	Input values		Input plug	Outputs						L	S	F1	F2	19"	safe	Part No.
	Voltage	Current		C13	C19	Schuko	UTE	Type 13	Type 23							

TriplePower																	
230/400 V	3 x 16 A	without	24							1033	■					03.600.024.1	



DOS00401

with switch

## Vertiv Knürr DIS Rack PDU Compact

- Optionally with illuminated switch, Bi-polar switching.
- 19" installation possible (for length 483 mm).
- 2 versions: Standard side panel or Designer side panel.
- Socket rotation: 45°.
- Supply line: H05VV-F 3G 1.5 mm<sup>2</sup>.
- Molded angle plug.
- Optionally with cold device plug IEC320 for UPS applications.

### Material/Finish

- Housing: closed sheet steel extrusion, galvanized, powder-coated structure.
- Plastic parts: vampfamide 6 0024 VO (UL94), recyclable.
- Inner conductor: continuous busbars, brass.

### Dimensions

- Distance between sockets: 50 mm.
- Height: 45.5 mm.
- Housing width: 44.4 mm (= 1 U).
- Supply line 2.5 meters.

### Approvals/Certificates

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - EMC Directive 2014/30/EU
  - RoHS-Directive 2011/65/EC.
- Bureau-Veritas BG Certificate (Factory inspection).
- Bureau-Veritas CB Certificate.
- VDE GS Certificate.

### Color combination

- Order number end figure .1: RAL 7035 Light gray
- Order number end figure .6:
  - Housing RAL 2003 pastel orange.
  - Plastic parts: RAL 7035 Light gray

### Load-bearing capacity

- 100–240 Vac/16 A (Schuko and UTE outputs).
- 100–240 Vac/10 A (Swiss outputs).

### Scope of delivery

- 1 plug strip.
- 2 securing brackets.

VERTIV KNÜRR DIS Rack PDU Model	Input values		Input plug	Outputs						L	S	F1	F2	19"	safe	Part No.
	Voltage	Current		C13	C19	Schuko	UTE	Type 13	Type 23							

Compact																	
UPS application	230V	16 A	Schuko CEE7/7			11				683	■					03.300.011.1	<b>P</b>
	230V	16 A	Schuko CEE7/7			7				483	■		■			03.300.007.X	<b>P</b>
	230V	16 A	Schuko CEE7/7			8				483	■		■			03.300.008.1	<b>P</b>
	230V	16 A	Schuko CEE7/7			4				333	■					03.300.004.1	<b>P</b>
	230V	16 A	Schuko CEE7/7			6				483	■	■		■		03.302.006.X	<b>P</b>
	230V	16 A	Schuko CEE7/7			7				483	■			■	■	03.400.007.1	<b>P</b>

**P** = Priority item (dispatched from our factory within 5 working days)  
Attention: Delivery times may be longer for large orders.

Dimensions in mm:			Conversion:	
W = Width	n = Number of sockets	U = standardized height unit	1 mm	= 0.03937 inch
H = Height	F1 = Standard side panel	1 U = 44.45 mm	1 kg	= 2.2046 pounds
L = Length	F2 = Designer side panel	PU = Packaging unit		
S = Switch	19" = suitable for 19" installation	safe = childproofing		



DOS20068

with overvoltage protection.

## Vertiv™ Knürr® DIS Rack PDU® Safety Basic

- For protection against transient overvoltages from the network caused e.g. by machines being switched on and off.
- In the case of critical overvoltages, a disconnection from the network takes place.
- After the safety arrester has been triggered, the green function display goes out. The socket strip is then no longer ready for usage. For replacement of safety arrester, please send plug strip to manufacturer! The protective effect of test category type 3 or requirement class D is a device protection, i.e. fine protection. For optimum protection, protective installations of test category or requirement class 1 and 2 or B and C should be provided upstream in the building installation.
- 19" installation possible (for length 483 mm).
- Socket rotation: 45°.
- Supply line: H05VV-F 3G 1.5 mm<sup>2</sup>.
- Molded angle plug.

### Material/Finish

- Housing: closed sheet steel extrusion, galvanized, powder-coated structure.
- Plastic parts: vampamide 6 0024 VO (UL94), recyclable.
- Internal conductor: continuous busbars, brass.

### Dimensions

- Distance between sockets: 50 mm.
- Height: 45.5 mm.
- Housing width: 44.4 mm (= 1 U).

### Approvals/Certificates

- CE designation in accordance with:
  - Low Voltage Directive 2014/35/EU
  - EMC Directive 2014/30/EU
  - RoHS-Directive 2011/65/EC.
- Bureau-Veritas BG Certificate (Factory inspection).
- Bureau-Veritas CB Certificate.

### Color combination

- Order number end figure 1: RAL 7035 Light gray
- Order number end figure 6:
  - Housing RAL 2003 pastel orange.
  - Plastic parts: RAL 7035 Light gray

### Technical data

- Test class: Type 3 – in accordance with DIN EN 61643-11.
- Requirement class: D – in accordance with VDE 0675-6.
- Network voltage: 230 VAC.
- Nominal current: max. 16 A.
- Limit discharge current (8/20 μs): 10 kA.
- Response time: < 25 ns.
- Protective level (at 100 A varistor peak current):
  - L against N: < 800 V / L/N against PE: < 1500 V.

### Scope of delivery

- 1 socket strip.
- 2 securing brackets.

VERTIV KNÜRR DIS Rack PDU Model	Input values		Input plug	Outputs						L	S	F1	F2	19"	safe	Part No.
	Voltage	Current		C13	C19	Schuko	UTE	Type 13	Type 23							

Safety Basic																	
	230V	16 A	Schuko CEE7/7				6			483		■		■		03.316.0061	



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