



# VERTIV™ KNÜRR® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES

## Doors

### Material

– Steel sheet: 1.0 mm.

### Colour

– digit X of order number .1: RAL 7035 light-grey.  
– digit X of order number .8: RAL 7021 dark-grey.

### Included in delivery








– 1 x door, single, double leaf or rear panel.  
– Mounting kit.

### Delivered

– Pre-assembled.

### Note

Perforated doors (83 % free surface) allow for optimum airflow throughout the rack..

Image	Description	Version	Dimensions		Dimensions	
			H 2000 mm		H 2200 mm	
			W 600 mm	W 800 mm	W 600 mm	W 800 mm
	Steel sheet door with perforation, single leaf	160° opening angle, internal hinges	01147803.X	01147805.X	01147806.X	01147808.X
		180° opening angle, external hinges	01157092.X-007	01157092.X-009	01157092.X-010	01157092.X-012
	Steel sheet door with perforation, double leaf	160° opening angle, internal hinges	01147921.X	01147929.X	01147922.X	01147930.X
		180° opening angle, external hinges	01157093.X-007	01157093.X-009	01157093.X-010	01157093.X-012
	Steel sheet door without perforation, single leaf	160° opening angle, internal hinges	01147534.X	01147536.X	01147537.X	01147539.X
		180° opening angle, external hinges	01157094.X-007	01157094.X-009	01157094.X-010	01157094.X-012
	Steel sheet door without perforation, double leaf	160° opening angle, internal hinges	01147570.X-002	01147570.X-010	01147570.X-003	01147570.X-011
		180° opening angle, external hinges	01157095.X-007	01157095.X-009	01157095.X-010	01157095.X-012
	Glass door, single leaf	160° opening angle, internal hinges	01147540.X	01147542.X	01147543.X	01147545.X
		180° opening angle, external hinges	01157090.X-007	01157090.X-009	01157090.X-010	01157090.X-012
	Glass door, double leaf	160° opening angle, internal hinges	01147571.X-002	01147571.X-010	01147571.X-003	01147571.X-011
		180° opening angle, external hinges	01157091.X-007	01157091.X-009	01157091.X-010	01157091.X-012
	Rear panel		01157080.X-003	01157080.X-004	01157080.X-005	01157080.X-006

## Top Cover

- With cable entry (sliding plates).
- For orderly cable management in the rack.

### Material

- Steel, 1.5 mm.

### Finish / Colour

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

### Included in delivery

- 1 top panel with cable entry.
- Mounting kit.

### Delivered

- In sets.











Image	Description	Dimensions				
		W 600 mm				
		D 600 mm	D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
	Top cover with lateral cable inlet		01.147.570.X	01.147.572.X	01.147.573.X	01.147.574.X
	Top cover with rear cable entry	01.157.050.X-007	01.157.050.X-008	01.157.050.X-001	01.157.050.X-002	01.157.050.X-003
	Top cover with cut out for fan units and cable inlet rear. Cut out closed with screwed blanking panel.		01.157.052.X-001	01.157.052.X-003	01.157.052.X-007	01.157.052.X-008
	Top cover with cable inlet rear and 25 mm raised	01.157.051.X-001	01.157.051.X-002	01.157.051.X-004	01.157.051.X-011	01.157.051.X-012
	Top cover, short d 250mm	01.147.268.X				

Image	Description	Dimensions				
		W 800 mm				
		D 600 mm	D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
	Top cover with lateral cable inlet		01.147.575.X	01.147.577.X	01.147.578.X	01.147.579.X
	Top cover with rear cable entry	01.157.050.X-011	01.157.050.X-012	01.157.050.X-004	01.157.050.X-005	01.157.050.X-006
	Top cover with cut out for fan units and cable inlet rear. Cut out closed with screwed blanking panel.		01.157.052.X-004	01.157.052.X-006	01.157.052.X-009	01.157.052.X-010
	Top cover with cable inlet rear and 25 mm raised	01.157.051.X-005	01.157.051.X-006	01.157.051.X-008	01.157.051.X-009	01.157.051.X-010
	Top cover, short d 250mm	01.147.269.X				

# VERTIV™ KNÜRR® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES

## Bottom Plates

- For covering the rack underneath.
- With foam rubber seals and brush strips; cable entry at the front and rear.
- For racks with and without castor mounting.

### Material / Finish

- Steel sheet, 1,5 mm, galvanized.
- For foam rubber seals (foam rubber, 50x30 mm).

### Included in delivery

- Bottom plates.
- 2 x mounting brackets.
- Mounting kit.

### Delivered

- In sets.











Image	Description	Dimensions			
		W 600 mm	D 800 mm	D 1000 mm	D 1100 mm
	Bottom plate closed, used with castor bracket	01157042.0-001	01147834.0	01147835.0	01147840.0
	Bottom plate for cable entry with foam rubber seal	01157041.0-001	01147846.0	01147847.0	01147852.0
	Bottom plate, modular	01157040.0-001	01157040.0-003	01157040.0-004	01157040.0-005
	Bottom plate for cable entry with brush strip	01157045.0-001	01157045.0-003	01157045.0-004	01157045.0-005
	Perforated bottom plate d 155mm	01157025.0-001			

Image	Description	Dimensions			
		W 800 mm			
		D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm
	Bottom plate closed, used with castor bracket	01157042.0-003	01147838.0	01147839.0	01147844.0
	Bottom plate for cable entry with foam rubber seal	01157041.0-003	01147850.0	01147851.0	01147856.0
	Bottom plate, modular	01157040.0-006	01157040.0-008	01157040.0-009	01157040.0-010
	Bottom plate for cable entry with brush strip	01157045.0-006	01157045.0-008	01157045.0-009	01157045.0-010
	Perforated bottom plate d 155mm	01157025.0-003			

## Plinth

- Stationary, including levelling options.
- Cable entry accessible from all sides.
- Removable cover plates.
- Installation option for filter mat.

- **Load rating**
  - 10,000 N static.

- **Material**
  - Steel sheet.

- **Colour**
  - digit X of order number .1: RAL 7035 light-grey.
  - digit X of order number .8: RAL 7021 dark-grey.

- **Included in delivery**
  - 4 x plinth corners, including levelling feet.
  - 8 x cover plates without vents (for a height of 200 mm), 4 x cover plates without vents (for a height of 100 mm).

- 8 x cover plates (for a height of 200 mm, 4 without and 4 with vents), 4 cover plates (for a height of 100 mm, 2 without vents and 2 x with vents).
- Mounting kit.

- **Delivered**
  - In sets.

Image	Description	Dimensions				
		W 600 mm				
		D 600 mm	D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm



Stationary plinth, 100 mm high, without vents

01157.055.X-001.

01157.055.X-002

01147.738.X

01147.739.X

01147.740.X



Stationary plinth, 100 mm high, with vents

01157.060.X-001

01157.060.X-002

01157.060.X-004

01157.060.X-005

01157.060.X-006



Stationary plinth, 200 mm high, without vents

01157.056.X-001

01157.056.X-002

01147.788.X

01147.789.X

01147.790.X



Stationary plinth, 200 mm high, with vents

01157.065.X-001

01157.065.X-002

01157.065.X-004

01157.065.X-005

01157.065.X-006

Image	Description	Dimensions				
		W 800 mm				
		D 600 mm	D 800 mm	D 1000 mm	D 1100 mm	D 1200 mm



Stationary plinth, 100 mm high, without vents

01157.055.X-007

01157.055.X-008

01147.746.X

01147.747.X

01147.748.X



Stationary plinth, 100 mm high, with vents

01157.060.X-007

01157.060.X-008

01157.060.X-010

01157.060.X-011

01157.060.X-012



Stationary plinth, 200 mm high, without vents

01157.056.X-007

01157.056.X-008

01147.796.X

01147.797.X

01147.798.X



Stationary plinth, 200 mm high, with vents

01157.065.X-007

01157.065.X-008

01157.065.X-010

01157.065.X-011

01157.065.X-012

# VERTIV™ KNÜRR® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES

## Side Panel

- Side panel module for 19" server rack.

### Material

- Steel sheet: 1.0 mm.



### Finish / Colour

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

### Included in delivery

- 1 x side panel.
- Mounting kit.

### Delivered

- In sets.

H	D	Version	Order No.	Units
2000	600	Side panel	01147.871.X-004	1 unit
2000	800	Side panel	01147.871.X-005	1 unit
2000	1000	Side panel	01147.876.X	1 unit
2000	1100	Side panel	01147.877.X	1 unit
2000	1200	Side panel	01147.878.X	1 unit
2200	600	Side panel	01147.871.X-007	1 unit
2200	800	Side panel	01147.871.X-008	1 unit
2200	1000	Side panel	01147.880.X	1 unit
2200	1100	Side panel	01147.881.X	1 unit
2200	1200	Side panel	01147.882.X	1 unit

## Partition Wall

### Partition wall for retro-fitting

- For air containment between two fixed adjacent racks.
- The partition wall is fitted between two racks and can be inserted from one side of the linking racks.
- Guided along the upper rear extrusion of one of the linked racks.
- After the partition wall has been inserted, fasteners are bent or welded on one side of the wall and screwed into the vertical T-slot to secure the structure. The rack connectors supplied upon delivery are used on the opposite side.

### Material

- Steel sheet: 1.0 mm.

### Finish / Colour

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

### Mounted partition wall fixed

- For air containment between two fixed adjacent racks.
- The partition wall is only mounted on one rack and must be mounted before the other racks are installed.
- The partition wall is slotted in at the top of the rear extrusion and attached to the basic rack with quick connectors.
- The rack connectors are then fitted to the top and bottom of the frame extrusions from the inside.
- Plastic cover extrusions are provided to seal the gap between the two racks. These can be clipped into place at the front and back of the gap.

### Included in delivery

- 1 x partition wall.
- 1 x set of rack connectors.
- 2 x cover extrusions , earthing set (for fixed partition wall only).
- Mounting kit.

### Delivered

- In sets.

Image	Description	Dimensions			Dimensions		
		H 2000 mm	H 2200 mm				
		D 1000 mm	D 1100 mm	D 1200 mm	D 1000 mm	D 1100 mm	D 1200 mm
	Partition wall for retro-fitting	01147644.X	01147645.X	01147646.X	01147647.X	01147648.X	01147649.X
	Mounted, fixed partition wall	01147690.8	01147691.8	01147692.8	01147693.X	01147694.X	01147695.X

## Air Containment

- The cold/warm area partition can be quickly and easily retrofitted into the rack.
- Side cover plates with 2 cut-outs each for cables (for 800 mm wide racks).
- 3 x 1 HE cut-outs, covered with cover plates (only in versions with vents).
- Bolted to the sides of the 19" extrusions (in 800 mm wide racks).
- Sealed off from the side panels or from the same level of adjoining racks.
- Foam components allow for infinite adjustability in terms of depth.

### Material

- Steel sheet.

### Colour


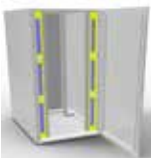
- digit X of order number .1:  
RAL 7035 light-grey.
- digit X of order number .8:  
RAL 7021 dark-grey.

### Included in delivery

- 2 x side cover plates (for 800 mm wide racks).
- 1 x cover plate, bottom.
- 1 x foam block for the top.
- Mounting kit.

### Delivered

- In sets.

Image	Description	Version	Dimensions		Dimensions	
			H 2000 mm		H 2200 mm	
			W 600 mm	W 800 mm	W 600 mm	W 800 mm
	Air containment without vents	for Racks with castor brackets	01147898.X	01147889.X	01147899.X	01147890.X
		for Racks without castor brackets	01147901.X	01147895.X	01147902.X	01147896.X
	Air containment with 3 x 1 HE cover plates, vertical	for Racks with castor brackets		01147904.X		01147905.X
		for Racks without castor brackets		01147907.X		01147908.X

#### Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Insertion depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

#### Conversion:

1 mm = 0.03937 inch
1 kg = 2.2046 pounds

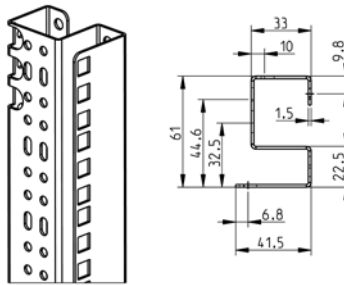
# VERTIV™ KNÜRR® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES

## 19" Vertical Extrusion with Mounting Holes and U Measure Tape

- For mounting 19" rack components.
- For mounting cable management systems and components.
- For mounting slot-in runners, intermediate fixed and pull-out shelves. (no adapter necessary)
- For mounting drawers.

### Material / Finish

- Steel sheet: 1.5 mm, galvanized.
- Measure Tape glued.



### Included in delivery

- Front (2 x 19" vertical extrusions with cross beam and 2 x 19" mountings – for 600 mm wide racks without cross beam and 19" mountings).
- Rear (2 x 19" vertical extrusions with 4 x 19" mountings – for 600 mm wide racks without 19" mountings).

### Delivered

- In sets.

W	H	U	Description	Order No.	Units
600	2000	42	19" Vertical extrusion, front	01.157.110.7.003	1 pair
600	2000	42	19" Vertical extrusion, rear	01.157.110.7.003	1 pair
600	2200	47	19" Vertical extrusion, front	01.157.110.7.004	1 pair
600	2200	47	19" Vertical extrusion, rear	01.157.110.7.004	1 pair
800	2000	42	19" Vertical extrusion, front	01.157.113.7.003	1 pair
800	2000	42	19" Vertical extrusion, rear	01.157.114.7.003	1 pair
800	2200	47	19" Vertical extrusion, front	01.157.113.7.004	1 pair
800	2200	47	19" Vertical extrusion, rear	01.157.114.7.004	1 pair

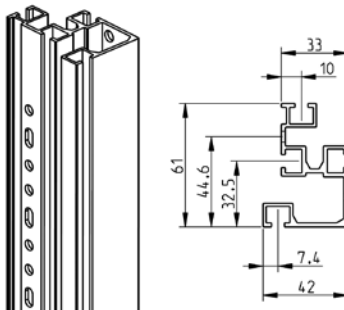
## 19" vertical extrusion

aluminum with T-slot and increment slide

- For front and rear installation with in the rack.
- Spring nut, variable and adjustable, in U increments (19").

### Material

- Extruded aluminum, polished.



### Scope of delivery

- 1 pair 19" LAN T-Slot, with cross beam (depends on order number), with mounting kit.

### Note

Maximal loading per pair 400 kg.

W	H	U	Description	Order No.	Units
800	2000	42	19"-LAN T-Slot, with cross beam, for front side	01.157.105.0.003	1 pair
800	2200	47	19"-LAN T-Slot, with cross beam, for front side	01.157.105.0.004	1 pair
800	2000	42	19"-LAN T-Slot, without cross beam, for back side	01.157.106.0.003	1 pair
800	2200	47	19"-LAN T-Slot, without cross beam, for back side	01.157.106.0.004	1 pair
600	2000	42	19"-LAN T-Slot, without cross beam, for front and back side	01.157.102.0.003	1 pair
600	2200	47	19"-LAN T-Slot, without cross beam, for front and back side	01.157.102.0.004	1 pair

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		





LUF20337

### U tape measure

- For sticking on 19" extrusions.
- Enables fast component positioning at the correct U position.
- Standard length, 48 U; shorten as required.

#### ■ Scope of delivery

- 1 x tape measure.

U	Order No.	UP
48	<b>01.128.400.9</b>	1 unit



DCM20052

### Mounting Adapter for 19" Server Extrusion

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

#### ■ Material

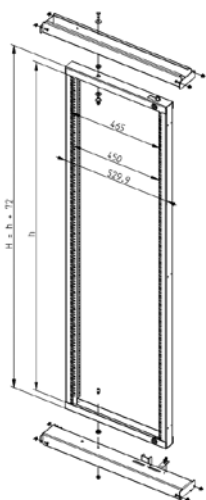
- Steel sheet: 2 mm, galvanized.

#### ■ Included in delivery

- 4 x adapters.

W	H	U	Order No.	Units
63	44	1	<b>01.147.640.9</b>	1 set

# VERTIV™ KNÜRR® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES



DREH

## 19"-Swing frame

for open angle 135° or 145°

- Caution: The cabinet must be screwed to the floor and wall when using the swing frame!

### 19"-Swing frame

- For installation of 19"-components to IEC 297-3.
- Permits easy access to second mounting level and to components installed in the swing frame.
- Mountable into Racks with 800 mm widths only.

### Load rating

- 200 kg at mounting position A.
- 300 kg at mounting position B.

### Material

- Sheet steel 2 mm.

### Finish

- Powder coated, textured.

### Color

- Digit X = 1. RAL 7035 light-grey.
- Digit X = 8. RAL 7021 dark grey.

### Supply schedule

- 1 x 19"-Swing frame.
- 1 x Mounting frames top and bottom.
- 1 x Square Key.
- 1 x Mounting hardware.

### Delivered

- Assembled.

### Note

Installation of a swing-frame reduces the nominal installation height of the rack at 4U.

W	H	U	h	Order No.	Units
800	2000	39	1732	01.157.130.X.003	1 unit
800	2200	44	1954	01.157.130.X.004	1 unit



## Mounting-Kit, wall

### Material

- Sheet steel 3 mm.

### Finish

- Powder coated, textured.

### Color

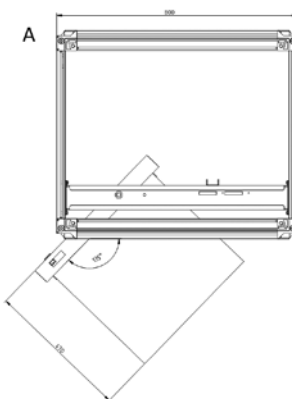
- Digit X = 1. RAL 7035 light-grey.
- Digit X = 8. RAL 7021 dark-grey.

### Supply schedule

- 1 unit, with 2 top cover screws.

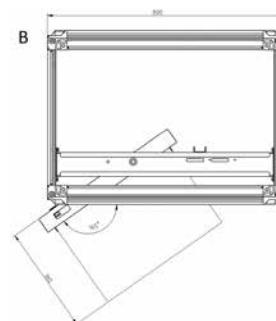
Order No.	Units
01.156.162.X.001	1 unit

## Useful depth in the swing frame



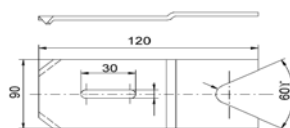
### Mounting position A

- Load rating max. 200 kg.
- Opening angle 135°.
- Useful depth in swing frame 470 mm.
- For Racks with 800 mm width only.



### Mounting position B

- Load rating max. 300 kg.
- Opening angle 145°.
- Useful depth in swing frame 360 mm.
- For Racks with 800 mm width only.



MIR00319

## Mounting-Kit, floor mounting

### Material

- Sheet steel, 3.0 mm.

### Finish

- Zinc passivated.

### Supply schedule

- 4 piece.

Order No.	Units
01.130.934.7	1 unit

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		



MIR20093

## Brush strip

- Brush strip for all covers with cable entry.
- For dust-protected and flexible cable entry.
- Can be used instead of mounting the sliding covers in the top cover.

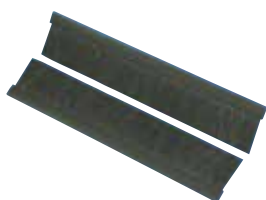
### ■ Scope of delivery

- 2 x brush strips.

### ■ How supplied

- In sets.

B	Version	Order No.	UP
for Rack width 600/800 mm	length 436 mm	01.130.998.9	2 units



Brush strips for covers

## Brush Strips for Covers with Cable Entry on the Side

- Brush strip for all covers with cable entry.
- For dust-protected and flexible cable entry.
- Can be used instead of mounting the sliding covers in the top cover.

### ■ Included in delivery

- 4 x brush strips.

### ■ Delivered

- In sets.

H	Version	Order No.	Units
800	Brush strip lateral	01.157.016.9-001	1 unit
1000	Brush strip lateral	01.157.016.9-003	1 unit
1100	Brush strip lateral	01.157.016.9-004	1 unit
1200	Brush strip lateral	01.157.016.9-005	1 unit



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



MIR00100

## Internal Mounting Rack Connector

- For mechanical, stable joining of rack and enclosure suites.

### ■ Material / Finish

- Steel sheet: 2 mm, galvanised.

### ■ Installation positions

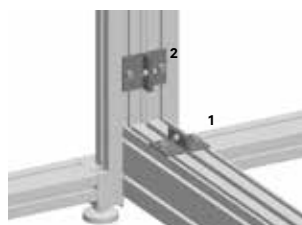
1. On the horizontal extrusions (top & bottom and front & back).
2. Vertically on the vertical extrusion (front & back and top & bottom).

### ■ Included in delivery

- 8 x mounting brackets (for connecting 2 racks / frames).
- Mounting kit.

### ■ Delivery

- In sets.



DCM20084

Order No.	Units
01.130.935.7	1 set



MIR00161

## Filter mat for plinth cover plate for installation in plinth cover plate at the front and rear

### ■ Scope of delivery

- 2 x filter mats.

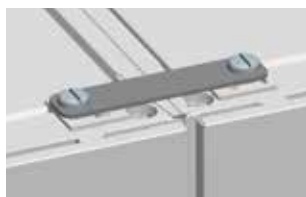
### ■ How supplied

- In sets.

W	Order No.	UP
600	01.130.530.9	2 units
700	01.130.531.9	2 units
800	01.130.532.9	2 units

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® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES



DCM20082

## Vertiv™ Knürr® Connector Installed on Top

- For mechanical, stable joining of rack and enclosure suites.
- Can be installed on racks from the top directly into the die-cast corner piece.
- Easy access for installation from the outside.

### Material / Finish

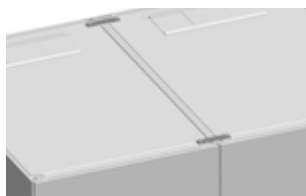
- Steel sheet: 3 mm, galvanized.

### Included in delivery

- 2 x rack connectors (for connecting 2 racks / frames).
- 4 x knurled screws, M12.

### Delivery

- In sets.



DCM20083

Version	Order No.	Units
30 x 140	01.147.642.7	1 set



MIR00216

## Earthing set / doors / top cover / side panel / rear panel

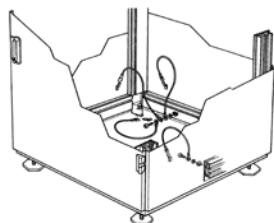
- For safe earthing of doors and panels.

### Scope of delivery

- 1 x earthing connection.
- 1 x Mounting kit.

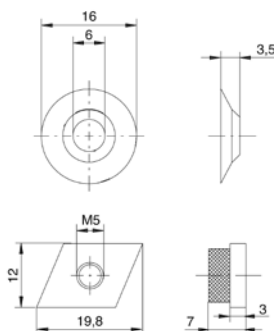
### How supplied

- In sets.



MIR00217

Model	Order No.	UP
for side panel/backside panel	01.157.015.9-001	1 set
for top cover	01.157.015.9-002	1 set
for single doors	01.157.015.9-003	1 set
for split doors	01.157.015.9-004	1 set



MIR00318

## Assembly kit Side panel threaded connection

- Used to screw on the side walls instead of quick connectors.
- Renders rack more sturdy.

### Material

- Countersunk washers and mounting nuts, stainless steel.

### Scope of delivery (for 2 side panels)

- 16 x countersunk washers.
- 16 x mounting nuts, M5.
- 16 x countersunk screws, M5 x 12.

### How supplied

- In sets.

Order No.	UP
01.130.937.9	1 set



MIR20311

## Quick connectors For side and rear panels

- Covers can be secured quickly by rotating the locks 90°.
- Easy to turn with wide flat-head screwdriver.

### Material / Color

- Final digit of order number 1: Polyamide PA66, RAL 7035, light-grey.
- Final digit of order number 9: Polyamide PA66, RAL 9011, dark-grey.

### How supplied

- Sets of 50 units.

Model	Order No.	UP
for side panel RAL 7035	01.133.900.1	1 set
for side panel RAL 9011	01.133.900.9	1 set
for rear panel RAL 7035	01.133.910.1	1 set
for rear panel RAL 9011	01.133.910.9	1 set



MIR20447

## Cover screws

### Material

- Plastic.

### How supplied

- Sets of 4 units.

Order No.	UP
01.131.751.9	4 units

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			



MEC00074

## Crane eyes

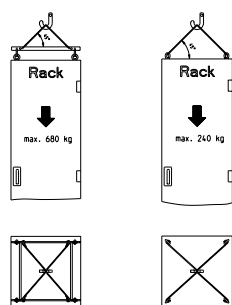
- For hanging on crane hooks.
- The crane eyes are screwed into the threads provided on the basic frame.

- **Load rating**
  - Max. 6,800 N.

- **Material**
  - Tool steel, forged.

- **Scope of delivery**
  - 4 x ring bolts.
  - 4 x washers.

- **How supplied**
  - In sets.



MEC20194

Order No.	UP
01.131.745.9	1 set



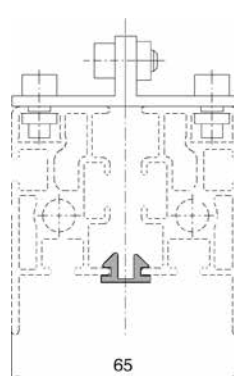
MIR20464

## Spacer bolt

- M12 bolts.

- **Scope of delivery**
  - Set of 4 units spacer bolt.

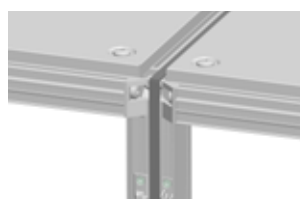
Order No.	UP
01.131.752.7	4 units



MIR00320

## Cover extrusion for rack suites, IP 20

- **Material**
  - PVC extruder cover, black.
- **Scope of delivery**
  - 2 x vertical lengths.
  - 2 x depth lengths.



MIR20443

H	D	U	Order No.	UP
1200	600	23	01.131.270.9	1 set
1800	600	37	01.131.273.9	1 set
2000	600	41	01.131.274.9	1 set
2200	600	46	01.131.275.9	1 set
1200	800	23	01.131.276.9	1 set
1800	800	37	01.131.279.9	1 set
2000	800	41	01.131.280.9	1 set
2200	800	46	01.131.281.9	1 set
1200	900	23	01.131.282.9	1 set
1800	900	37	01.131.285.9	1 set
2000	900	41	01.131.286.9	1 set
2200	900	46	01.131.287.9	1 set
2000	1000	41	01.127.760.9	1 set
2200	1000	46	01.127.761.9	1 set
2000	1200	41	01.127.762.9	1 set
2200	1200	46	01.127.763.9	1 set

### Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Insertion depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

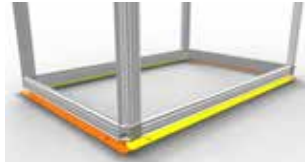
### Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds

# VERTIV™ KNÜRR® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES



DCM20090



MIR20449

## Mounting bracket Fixed

- Sits flush ("airtight").
- Even load distribution on base.
- Also compatible with DCM racks.

### Load rating

- 15,000 N static.

### Material

- Sheet steel 3.0 mm.

### Finish

- Order no. 1: Powder-coated texture, RAL 7035 light-grey.
- Order no. 8: Powder-coated texture, RAL 7021 dark-grey.

### Scope of delivery

- 2 x mounting brackets for the depth.
- 2 x mounting brackets for the width.
- 1x Mounting kit.

### How supplied

- In sets.

W	H	D	Order No.	UP
600	27	600	01.147.509.X	1 unit
600	27	700	01.147.510.X	1 unit
600	27	800	01.147.511.X	1 unit
600	27	900	01.147.512.X	1 unit
600	27	1000	01.147.513.X	1 unit
600	27	1100	01.147.514.X	1 unit
600	27	1200	01.147.515.X	1 unit
800	27	600	01.147.525.X	1 unit
800	27	700	01.147.526.X	1 unit
800	27	800	01.147.527.X	1 unit
800	27	900	01.147.528.X	1 unit
800	27	1000	01.147.529.X	1 unit
800	27	1100	01.147.530.X	1 unit
800	27	1200	01.147.531.X	1 unit



MIR20095

## Combination lock

- Mechanical solution for a top-quality locking system.
- Access either via a three-digit code that can be individually set on the handle or via a master key for access to the rack independent of the code setting.
- Suitable for Miracel 2/DCM rack single doors with swing handle.
- Subsequent retrofitting also possible without mechanical alteration.

Model	Order No.	UP
Single doors MIR2 / DCM®	01.137.013.9	1 unit



MIR20460

## Door locking set

### Scope of delivery

- 1 lock set.
- 2 keys (half-cylinder).

Model	Order No.	UP
MIR2 / DCM	01.130.940.9	1 set



MIR00069

## Complete locking set

### Scope of delivery

- 2 cylinders with 2 keys each.
- 2 lockable fasteners for side panel with 2 keys each.

Model	Order No.	UP
MIR2 / DCM	01.130.940.9	1 set



MIR20461

## Spare key for door

### Scope of delivery

- 1 x key.

Order No.	UP
00.078.467.9	1 unit



MIR00089

## Multifunctional brace

- For routing cables with cable ties.
- For universal mounting option.
- Holes for mounting caged nuts.
- Distance between two multifunctional braces can be selected using T-slot.
- Installation on the extrusions of the rack frame or on the 19" extrusions, diagonal and lateral.

### Installation positions

- 1 toward rear of basic frame.
- 2 across width of basic frame.
- 3 across width of 19" extrusions.
- 4 toward rear of 19" extrusions.

### Material

- Sheet steel 1.5 mm.

### Finish

- Zinc-passivated.

### Scope of delivery

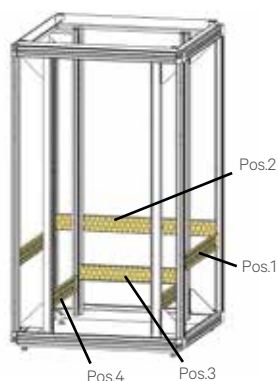
- 4 x multifunctional braces.

### How supplied

- In sets.

### Remark

- Pos. 4 fits only with LAN or T-Nut 19" extrusion.



MIR88003

D <sub>Rack</sub>	d	Installation position	For rack type	Order No.	UP
600	1		MIR2/DCM	05.040.160.9	4 units
800	1		MIR2/DCM	05.040.161.9	4 units
900	1		MIR2/DCM	05.040.162.9	4 units
1000	1		MIR2/DCM	05.040.163.9	4 units
1100	1		MIR2/DCM	05.040.164.9	4 units
1200	1		MIR2/DCM	05.040.165.9	4 units
600	2		MIR2/Smaract	05.040.173.9	4 units
800	2		MIR2	05.040.174.9	4 units
	3		MIR2/DCM/Smaract/DPR	05.040.175.9	4 units
600	365	4	MIR2/Smaract	05.040.168.9	4 units
800	565	4	MIR2/Smaract	05.040.169.9	4 units
600	440	4	MIR2/Smaract	05.040.170.9	4 units
800	640	4	MIR2/Smaract	05.040.171.9	4 units
900	740	4	MIR2/Smaract	05.040.172.9	4 units
1000	740	4	MIR2/Smaract	05.040.172.9	4 units



MEC20091

## Cable routing brace

- Fitted to the Miracel 2/DCM/Smaract basic frame and the 19" extrusion.
- Cables fastened using Velcro and cable ties.
- For organized cable management with in the rack.
- Two-sided installation.
- Provides universal mounting using caged nuts (all dimensions can be accommodated; caged nuts are flexible).

### Material

- Sheet steel, 1.5 mm.

### Finish

- Zinc-passivated.

### Scope of delivery

- 4 x cable routing braces.
- 1 x Mounting kit.

### How supplied

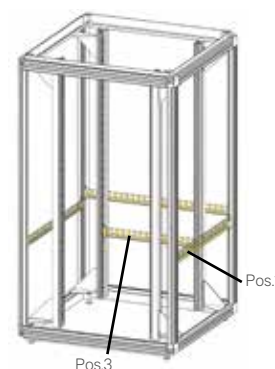
- Single items.

### Note

- If required, please also order Velcro rolls.



MEC20078



MIR88001

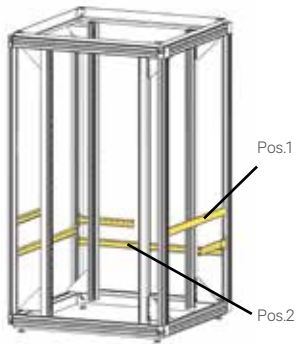
D	L	Model	For rack type	Order No.	UP
600	455	Pos. 1	MIR2 / DCM	05.040.200.9	4 units
800	655	Pos. 1	MIR2 / DCM	05.040.201.9	4 units
900	755	Pos. 1	MIR2 / DCM	05.040.202.9	4 units
1000	855	Pos. 1	MIR2 / DCM	05.040.203.9	4 units
1200		Pos. 1	MIR2 / DCM	05.040.205.9	4 units
	468	Pos. 3	Smaract/DPR	05.040.215.9	4 units

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® MIR2® / VERTIV KNÜRR DCM® RACK SPECIFIC ACCESSORIES



MEC00113



MIR88004

## C extrusion rail

- Cables secured with U-clamps or cable clamping bars.
- Space-saving installation between the extrusions on the basic rack.
- Two-sided installation.

### Material

- Sheet steel, 1.5 mm, zinc-passivated.

### Finish

- Zinc-passivated.

### Scope of delivery

- 4 x extrusion rails.
- 1 x Mounting kit.

### How supplied

- In sets.

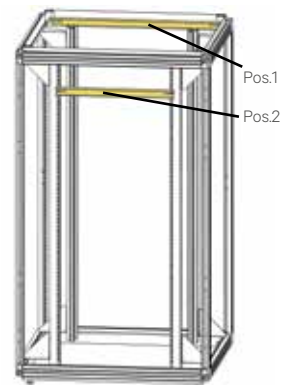
### Note

- Please also order U-clamps, cable clamping bars or threaded plates.

D	W	Installation position	For rack type	Order No.	UP
800	1		MIR2 / DCM	05.040.181.9	4 units
900	1		MIR2 / DCM	05.040.182.9	4 units
1000	1		MIR2 / DCM	05.040.183.9	4 units
1200	1		MIR2 / DCM	05.040.185.9	4 units
800	2		MIR2	05.040.194.9	4 units



MIR00096



MIR88002

## C extrusion rail

- Cables secured with U-clamps or cable clamping bars.
- Cable clamping close to entry point (type 1).
- Suitable for use with cover panel including cable entry.

### Material / Finish

- Sheet steel, 1.5 mm, zinc passivated.

### Scope of delivery

- 1 x C extrusion rail.
- 1 x Mounting kit.

### How supplied

- In sets.

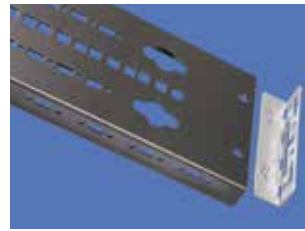
### Note

- Please also order U-clamps, cable clamping bars or threaded plates.

W	L	Model	Order No.	UP
600	4825	Pos. 1: MIR2 / DCM / Smaract	05.040.080.0	1 unit
800	6825	Pos. 1: MIR2 / DCM	05.040.082.0	1 unit
19"	508	Pos. 2: MIR2 / DCM / Smaract / Doubleprorack	01.110.719.9	1 unit



DCM20077



DCM20076

## Vertiv™ Knürr® MIR2® / Vertiv™ Knürr® DCM® PDU Bracket

- For orderly cable management in the rack.
- For hanging in trade-standard PDUs without tools.
- Especially suited to Knürr and Liebert PDUs.

### Material / Finish

- Steel sheet, 1.5 mm, zinc passivated, powder-coated.

### Color

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

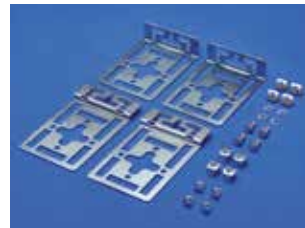
### Scope of delivery

- 1 x PDU bracket.
- 1 x Mounting kit.

### How supplied

- In sets.

W	H <sub>Rack</sub>	D	U	Order No.	UP
125	2000	25	42	01.147.816.X	1 unit
125	2200	25	47	01.147.817.X	1 unit



MEC20222

Type 1



MEC20223

Type 2

## PDU mounting kit

- For securing various rack PDUs.
- Suitable for Miracel 2 and DCM racks.
- For installing 1 or 2 PDUs.
- Installation options are described in the "Installation instructions for PDUs" manual.

### Material / Finish

- Sheet steel, 2 mm, zinc passivated.

### Scope of delivery

- 2 x L mounting brackets.
- 2 x angular mounting brackets.
- 1 x Mounting kit.

### How supplied

- In sets.

Model	For rack type	Order No.	UP
Type 1: short	MIR2 / DCM	01.147.813.9	1 set
Type 2: long	MIR2 / DCM	01.147.814.9	1 set

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		





MIR20051

### Tilt restraint for Vertiv Knürr® MIR2® only 2 Racks, Quick Assembly System

- Quick and easy mounting
- Used as required

- **Included in delivery**
  - 2 x tilt restraints.

- **Delivery**
  - In sets.

Description	Order No.	Units
for MIR2 Rack only	<b>01.127.310.9</b>	2 units



DSC00194

### Vertiv™ Knürr® DCM® gap sealing depth profil

- Quick and easy retrofitting.
- Gap sealing between the linked rack.

- **Material**
  - Steel sheet, zinc-passivated 1,5 mm.

- **Scope of delivery**
  - 2 gab sealings.
  - Mounting kit.

- **How supplied**
  - In Sets.



DSC00202

Description	Order No.	UP
for DCM Rack only	<b>01.147.643.9</b>	1 unit



DCM20107

### Vertiv™ Knürr® DCM® Seismic Kit

- Retrofitting set for DCM® racks.
- Installed on site.
- Rack with installed seismic kit tested in accordance with Telcordia GR63 Zone 4.
- Maximum total load for seismic application: 500 kg per rack.

- **Material / Finish**
  - Steel sheet, powder-coated.

- **Color**
  - RAL 7021, dark-grey.

- **Scope of delivery**
  - 2 x seismic frames.
  - Support for rear EIA-compliant level.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

W	H	Model	Order No.	UP
600	2000	DCM® USA	<b>01.147.909.8</b>	1 set
600	2000	DCM® Standard	<b>01.147.912.8</b>	1 set
for DCM Rack only				



DCM Rack

DCM20026

### Tilt Restraint for Vertiv™ Knürr® DCM®

- Quick and easy mounting and removal.
- Can be integrated in the Vertiv Knürr DCM® rack.
- Use only as required.

- **Scope of delivery**
  - 2 x anti-tilt restrainers.

- **How supplied**
  - In sets.

Description	Order No.	UP
for DCM Rack only	<b>01.147.641.9</b>	2 unit

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® System Accessories

### Features

#### BLANKING PANELS

- Design identical to racks
- Tool-less, threaded version available.
- Varying sizes for quick mounting and efficient cooling.

#### CHASSIS RAILS

- Various designs catering to different requirements.
- Height positioning for different corpus heights of the subracks possible (not defined according to 19" standard).

#### DRAWERS AND SHELVES

- Various designs catering to different loads.
- Shelves with tool-less mounting available.

**Mechanical accessories are fundamental to effective and economical use of server- and network racks.**

Blanking panels are an essential feature in operating an energy-efficient data center, as they ensure that cold and warm air in the rack are separated.

When there are no mounting adapters for IT components, chassis rails are required.

Drawers are used to store manuals, spare parts and tools needed on site.





MEC20179

### QuickFix 19" blanking panel Tool-less assembly

- For covering free 19" spaces (cold-hot separation).
- Quick and easy tool-less assembly (one click) and disassembly (quarter turn).
- Suitable for 9.5 x 9.5 square holes.

#### 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.

#### Scope of delivery

- X (see Order Number for quantity) QuickFix 19" blanking panel.
- Mounting kit.

#### How supplied

- In sets (see Order Number for quantity); fixing clips pre-assembled.



MEC20180



MEC20178

W	H	U	Order No.	UP
482.6	436	1	01.103.301.X	6 units
482.6	881	2	01.103.302.X	3 units
482.6	132.5	3	01.103.303.X	2 units
482.6	265.9	6	01.103.306.X	1 unit
482.6	399.2	9	01.103.309.X	2 units
482.6	932.6	21	01.103.321.X	1 unit



MEC20181

### 19" QuickFix blanking panel, tool-less assembly

- For orderly cable management inside the rack.
- Quick and easy tool-less assembly (one click) and disassembly (quarter turn).
- Suitable for 9.5 x 9.5 square holes.

#### 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.

#### Scope of delivery

- 6 x QuickFix 19" blanking panel cable ports.
- 1 x Mounting kit.

#### How supplied

- In sets (clips pre-assembled).

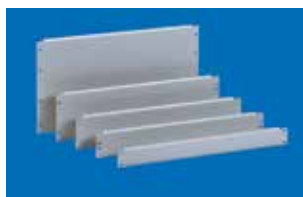


MEC20178



MEC20229

W	H	U	Order No.	UP
482.6	436	1	01.103.331.X	6 units



CUD00005

### 19" blanking plate Screw-on

- For covering free 19" spaces (cold-hot separation).

#### 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.

#### Scope of delivery

- X (see Order Number for quantity) QuickFix 19" blanking panel.

#### How supplied

- In sets (see ON for quantity).

#### Note

- Please also order front panel mounting material.



CUD00004

W	H	U	Order No.	UP
482.6	436	1	01.103.201.X	6 units
482.6	881	2	01.103.202.X	3 units
482.6	132.5	3	01.103.203.X	2 units
482.6	265.9	6	01.103.206.X	1 unit
482.6	399.2	9	01.103.209.X	2 units



LUF88006

### 19" vented front cover plate

- Provides additional ventilation for 19" racks and 19" plinths compliant with IEC 297.

#### Material / Color

- Final digit of order number .1: ABS (UL 94 V0), light-grey RAL 7035.
- Final digit of order number .9: ABS (UL 94 V0), black RAL 9011.

#### Scope of delivery

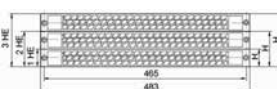
- 1 x vented front cover plate.
- 2 x connectors.

#### How supplied

- In sets.

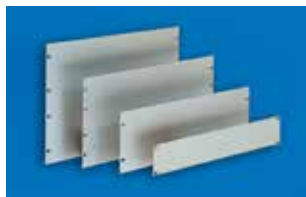
#### Note

- Please also order the appropriate mounting kit for the front plates.

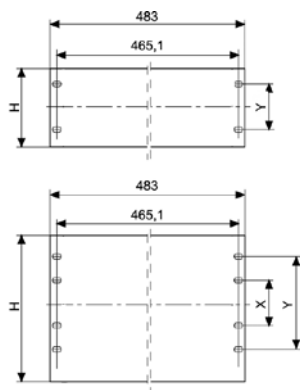


LUF00093

W	H	U	Order No.	UP
483	436	1	02.008.111.1	1 unit
483	436	1	02.008.111.9	1 unit



FRO00005



MEC20109

### 19" front plate Aluminum 3 mm

#### Material / Finish

- Final digit of order number .0: AlMg3 - F23 polished with lamination sheet.
- Final digit of order number .1: AlMg3 - F23, powder-coated, RAL 7035, light-grey.
- Final digit of order number .6: AlMg3 - F23 EB (anodize-enabled), anodized E6/EV1.
- Final digit of order number .8: AlMg3 - F23, powder-coated, RAL 7021, dark-grey.

#### Scope of delivery

- 1 x 19" front plate.

#### How supplied

- Single items.

#### Note

- Please also order the appropriate mounting kit for the front plates.

H	X	Y	U	Model	Order No.	UP
436		31.7	1	Polished	<b>02.008.021.0</b>	1 unit
436		31.7	1	Powder-coated, RAL 7035	<b>02.008.021.1</b>	1 unit
881		76.2	2	Powder-coated, RAL 7035	<b>02.008.022.1</b>	1 unit
132.5		57.1	3	Powder-coated, RAL 7035	<b>02.008.023.1</b>	1 unit
1770		101.6	4	Powder-coated, RAL 7035	<b>02.008.024.1</b>	1 unit
265.9	76.2	190.4	6	Powder-coated, RAL 7035	<b>02.008.026.1</b>	1 unit
436		31.7	1	Powder-coated, RAL 7021	<b>02.008.021.8</b>	1 unit
436		31.7	1	Anodized	<b>02.008.071.6</b>	1 unit
881		76.2	2	Anodized	<b>02.008.072.6</b>	1 unit
132.5		57.1	3	Anodized	<b>02.008.073.6</b>	1 unit
1770		101.6	4	Anodized	<b>02.008.074.6</b>	1 unit
265.9	76.2	190.4	6	Anodized	<b>02.008.076.6</b>	1 unit



MEC20144



MEC20149

### Cover-plate filter for 19" vented front cover plate

- Used with 19" vented front cover plate.

#### Material / Color

- Non-woven and screen cloth.

#### Scope of delivery

- 1 x cover-plate filter.
- 1 x Mounting kit.

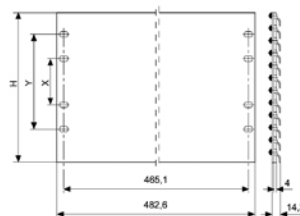
#### How supplied

- In sets.

U	Order No.	UP
1	<b>02.008.131.9</b>	1 unit



LUF00217



MEC20110

### 19" ventilation front panel

- Provides additional ventilation for 19" racks and 19" plinths compliant with IEC 297.

#### Material

- Aluminum.

#### Finish

- Final digit of order number .1: powder-coated, RAL 7035 light-grey.
- Final digit of order number .6: colorless anodized E6 / EV 1.

#### Scope of delivery

- 1 x ventilation front plate.

#### How supplied

- Single items.

#### Note

- Please also order the appropriate mounting kit for the front plates.

H	Y	U	Model	Order No.	UP
436	31.7	1	Powder-coated, RAL 7035	<b>02.008.101.1</b>	1 unit
436	31.7	1	Anodized	<b>02.008.101.6</b>	1 unit
132.5	57.1	3	Powder-coated, RAL 7035	<b>02.008.103.1</b>	1 unit
132.5	57.1	3	Anodized	<b>02.008.103.6</b>	1 unit



FRO00007

### 19" front plate hinged

- With 19" adapter and hinge.

#### Material

- Aluminum, 3 mm.

#### Finish

- Anodized.

#### Scope of delivery

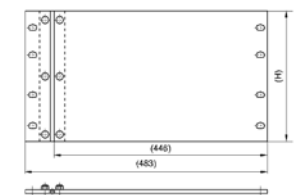
- 1 x front plate, hinged.
- 1 x 19" adapter.
- 1 x hinge.

#### How supplied

- In sets.

#### Note

- Please also order the appropriate mounting kit for the front plates.



FRO00006

U	Model	Order No.	UP
3	Anodized	<b>01.110.780.6</b>	1 unit
6	Anodized	<b>01.110.781.6</b>	1 unit



MEC20162



MEC20167



MEC20167

## 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.

D <sub>Rack</sub>	d	L	For rack type	Order No.	UP
600	365	336	MIR2 / DCM / Smaract	01.103.051.0	1 pair
600	440	411	MIR2 / DCM / Smaract	01.103.052.0	1 pair
800	565	536	MIR2 / DCM / Smaract	01.103.053.0	1 pair
800	640	611	MIR2 / DCM / Smaract	01.103.054.0	1 pair
900	665	636	MIR2 / DCM / Smaract	01.103.055.0	1 pair
from 900	740	711	MIR2 / DCM / Smaract / CoolTherm	01.103.056.0	1 pair



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 01.147.640.9 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
600	440	411	MIR2 / DCM / Smaract	01.103.102.0	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
800	900	636	MIR2 / DCM / Smaract	01.103.105.0	1 pair
from 900	740	711	MIR2 / DCM / Smaract / CoolTherm	01.103.106.0	1 pair
600	385	354	ConAct	01.103.112.0	1 pair
600	435	403	DoubleProRack with door	01.103.118.0	1 pair
800	635	603	DoubleProRack with door	01.103.119.0	1 pair
500	460	428	DoubleProRack, no door	01.103.122.0	1 pair
600	560	528	DoubleProRack, no door	01.103.123.0	1 pair
700	660	628	DoubleProRack, no door	01.103.124.0	1 pair

### Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Insertion depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

### Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds



MEC20163



MEC20166

### 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

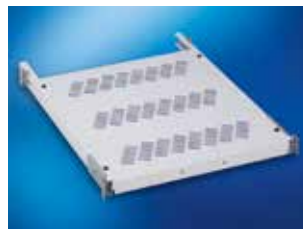
- In pairs.

#### 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.

D	d	For rack type	Order No.	UP
600	365-440	MIR2 / DCM / Smaract	01.103.091.0	1 pair
800-1200	565-740	MIR2 / DCM / Smaract	01.103.092.0	1 pair
900-1200	740	CoolTherm	01.103.092.0	1 pair
600	385	ConAct	01.103.091.0	1 pair
500-600	435-460	DoubleProRack	01.103.091.0	1 pair
600-800	560-660	DoubleProRack	01.103.092.0	1 pair



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.

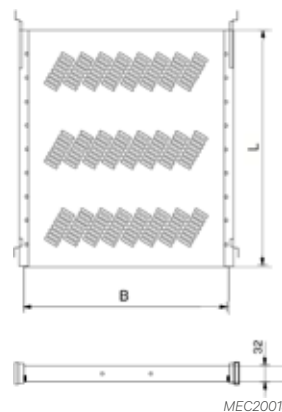
#### How supplied

- In sets.

#### Note

Please order requisite mounting adapter when used for DCM or Miracel 2/Smact 19" server extrusion.

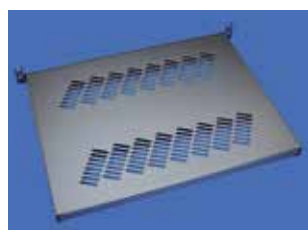
- Miracel 2/DCM 1 Set 01.147.640.9



MEC20018

d	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.X	1 unit
640	430x600	MIR2 / DCM / Smaract	01.102.004.X	1 unit
740	430x600	MIR2 / DCM / Smaract	01.102.005.X	1 unit
435, 460	430x300	DoubleProRack	01.102.002.1	1 unit
560	430x500	DoubleProRack	01.102.003.1	1 unit
635, 660	430x600	DoubleProRack	01.102.004.1	1 unit
385	430x300	ConAct	01.102.001.1	1 unit

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		



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.

d	WxL	Order No.	UP
365-500	430 x 300	<b>01.102.071.X</b>	1 unit
565-740	430 x 500	<b>01.102.072.X</b>	1 unit



MEC00452

### 19" shelf partially 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 board.

#### 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

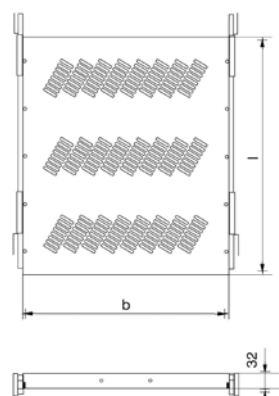
- 1 x pair of telescopic slides.
- 1 x shelf board.
- 1 x Mounting kit.

#### How supplied

- In sets.

#### Note

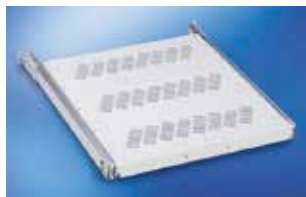
- Order requisite mounting adapter when used for DCM or Miracel 2/Smact 19" server extrusion.
- Mounting adapter for 19" server extrusions 01.147.640.9 1 Set.



MEC20019

d	WxL	Order No.	UP
365-565	430 x 360	<b>01.102.042.X-001</b>	1 unit
565-750	430 x 560	<b>01.102.043.X-001</b>	1 unit

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		



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

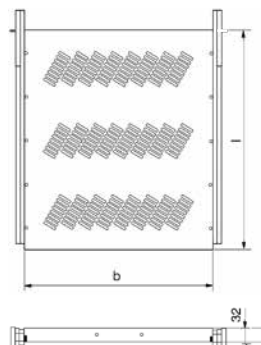
- 1 x pair of telescopic slides.
- 1 x shelf board.
- 1 x Mounting kit.

### How supplied

- In sets.

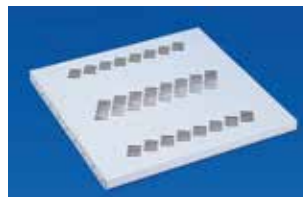
### Note

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



MEC20020

d	WxL	Order No.	UP
365-565	430 x 360	01.102.040.X-001	1 unit
565-750	430 x 560	01.102.041.X-001	1 unit



MEC00120

## 19" heavy-duty shelf fixed

- Perforated utility space.
- Installed as base plate for server or battery.

### Material / Finish

- Sheet steel 1.5 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

- 1000 N static for CW installation.
- 1500 N static for 19" installation.

### Scope of delivery

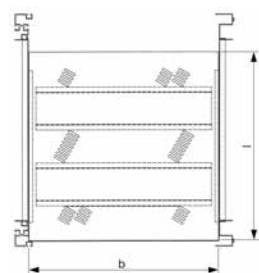
- 1 x shelf, fixed, threaded connection.
- 2 x mounting braces.
- 1 x Mounting kit.

### How supplied

- In sets.

### Note

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



MEC20117

d	WxL	For rack type	Order No.	UP
565	467 x 460	MIR2 / DCM / Smaract	01.131.473.X	1 unit
640	467 x 460	MIR2 / DCM / Smaract	01.131.475.X	1 unit
665	467 x 460	MIR2 / DCM / Smaract	01.131.476.X	1 unit
740	467 x 560	MIR2 / DCM / Smaract	01.131.474.X	1 unit



MEC20154

## Cable cantilever

- Can be tilted outward from the rear, facilitating easy access to the rear (only 3 piece).
- For easy mounting in side the rack/on the shelf; shelf or rack easily attached or decoupled with spring clip.
- Guarantees defined and kink-free cable management.
- Minimum space requirement at the back of shelves: 40 mm.

### Material / Finish

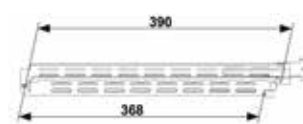
- Sheet steel, 1.5 mm, zinc passivated.

### Scope of delivery

- 1 x cable cantilever.
- 1 x Mounting kit.

### How supplied

- In sets.



MEC88005

Type	Order No.	UP
2-piece	05.040.096.0	1 unit

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			





MEC20022

## 19" heavy-duty shelf fully retractable

- Perforated to optimize air supply.
- Locks in pushed-in and fully retracted position.
- Easy mounting with patented quick-mounting system.
- Installed as base plate for server or battery.

### 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.

### Load rating

- 1200 N static.

### Scope of delivery

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

### How supplied

- In sets.

### Note

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



MIR00373

## 19" shelf, 2 U Fixed

- Installed in racks with fixed 19" components, front.
- Quick and easy mounting on 19" extrusions.
- Also for swing frame in the 19" rack and 19" enclosure.

### Color

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

### Material

- Sheet steel, 1.5 mm.

### Load rating

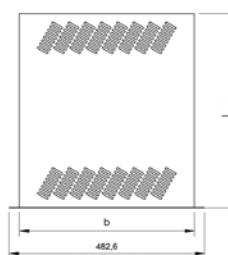
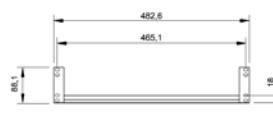
- 200 N static.

### Scope of delivery

- 1 x shelf, fixed.
- 1 x Mounting kit.

### How supplied

- In sets.



MIR00373

W	H	WxL	Order No.	UP
482.6	88.1	442 x 280	01.113.736.X	1 unit
482.6	88.1	442 x 380	01.113.737.X	1 unit

d	WxL	For rack type	Order No.	UP
565-750	412 x 560	MIR2 / DCM / Smaract	01.102.650.X-001	1 unit



MEC20138

## Handle

- Suitable for traditional and heavy-duty shelves.
- With M5 internal thread.

### Material

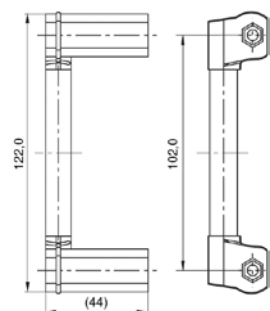
- Die-cast aluminum consoles.
- Extruded aluminum handles.
- Cap made of ABS UL 94 HB.

### Finish

- Handle, powder-coated, grey-blue, RAL 5008/ Cap, light-grey, RAL 7035.

### Scope of delivery

- 2 x handles.



MEC20111

Order No.	UP
00.050.503.1	1 set



MIR00102

## 19" shelf, 2 U Adjustable

- Installed in racks with adjustable 19" components, front.
- Quick and easy mounting on 19" extrusions.
- Also for swing frame in the 19" rack and 19" enclosure.
- Depth can be adjusted in increments of 25 mm.

### Material / Finish

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

### Color

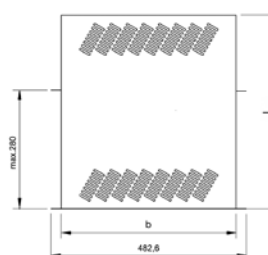
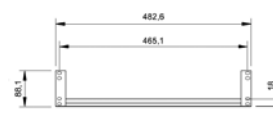
- Final digit of order number .1: RAL 7035 light-grey.
- Final digit of order number .8: RAL 7021 dark-grey.

### Load rating

- 200 N static.

### How supplied

- In sets.



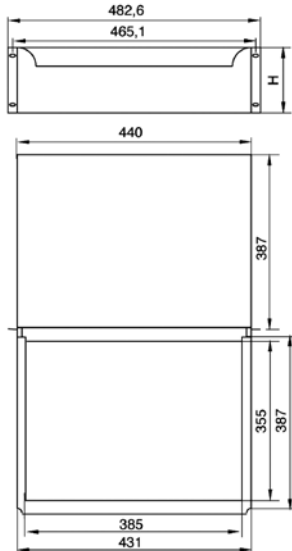
MIR00103

W	H	WxL	Order No.	UP
482.6	88.1	442 x 480	01.113.411.X	1 unit

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		



SCH00058



SCH00054

### 19" drawer Installed on the front

- Installed on front 19" extrusions.
- For storing service documents.
- Quick and easy mounting.

#### Material / Finish

- Drawer, sheet steel, powder-coated texture; telescopic slides, Sendzimir zinc-coated.

#### Color

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

#### Load rating

- 150 N static.

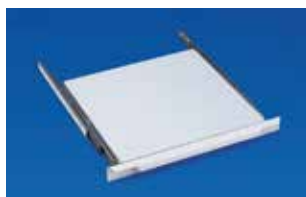
#### Scope of delivery

- 1 x 19" drawer with lock, including key.
- 1 x pair of telescopic slides.
- 1 x Mounting kit.

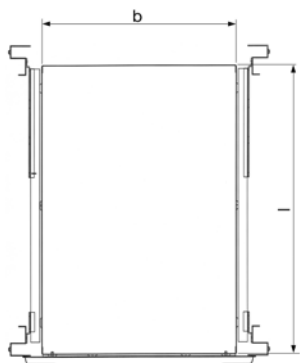
#### How supplied

- Pre-assembled.

W	H	U	Order No.	UP
482.6	43.6	1	01.102.048.X-001	1 unit
482.6	88.1	2	01.102.048.X-002	1 unit
482.6	132.5	3	01.102.048.X-003	1 unit



MEC00118



MEC20118

### 19" writing board 1 U fully retractable

- With handle.
- Can also be used as writing board.
- Locks in retracted position (friction lock).

#### Material / Finish

- Shelf, sheet steel, 1.0 mm.
- Telescopic slide, cold-rolled steel.

#### 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.

#### Scope of delivery

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

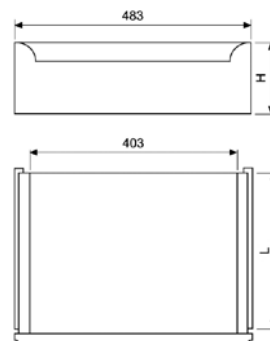
#### How supplied

- Pre-assembled.

d	WxL	Order No.	UP
365-565	430 x 360	01.102.045.X-001	1 unit
565-750	430 x 560	01.102.046.X-001	1 unit



SCH00057



SCH00053

### 19" drawer with lock

- Installed in racks with fixed 19" components on the front and rear.
- Fully retractable.
- With lock.
- Locks in retracted position (friction lock).
- Quick separator for tool-less removal and decoupling of shelf board.

#### Material / Finish

- Drawer, sheet steel 1.0 mm, powder-coated texture; telescopic slides, cold rolled steel, Sendzimir zinc-coated.

#### 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.

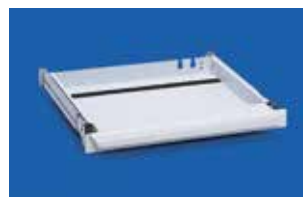
#### Scope of delivery

- 1 x 19" drawer with lock, including key.
- 1 x pair of telescopic slides.
- 1 x Mounting kit.

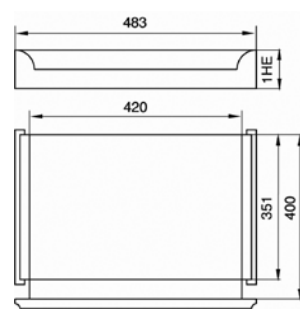
#### How supplied

- Pre-assembled.

D	U	WxL	For rack type	Order No.	UP
565-750	2	412 x 562	MIR2 / DCM / Smaract	01.102.049.X-001	1 unit
565-750	4	412 x 562	MIR2 / DCM / Smaract	01.102.049.X-002	1 unit



SCH00059



SCH00055

### 19" keyboard drawer, 1 U for 19" keyboard

- With hand support.
- With cable strain relief.
- Locks in retracted position (friction lock).
- Quick separator for tool-less removal and decoupling of drawer.

#### Material

- Main unit, sheet steel, 1.0 mm.
- Front panel, sheet steel, 1.0 mm.

#### 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 19" keyboard drawer, 1 U.
- 1 x pair of telescopic slides.
- 1 x Velcro for securing the keyboard.
- 1 x Mounting kit.

#### How supplied

- Pre-assembled.

d	Order No.	UP
565-750	01.102.047.X-001	1 unit



MEC00116

### 19" keyboard drawer 1 U with extract for pc mouse

- Heel of hand support.
- Mouse area can be extracted right/left.
- Storage compartment for pc mouse.
- Locks in retracted position (friction lock).
- Quick separator for tool-less removal and decoupling of drawer.

#### ■ Dimensions

- Useful shelf space: measurements without heel of hand support 372 x 209 x 32 mm.

#### ■ 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 19" keyboard drawer, 1 U.
- 1 x pair of telescopic slides.
- 1 x heel of hand support.
- 1 x Mounting kit.

#### ■ How supplied

- Pre-assembled.

#### ■ Note

- Keyboard is not included.
- Not compatible with racks, depth 600.

d	Order No.	UP
565-750	01.136.379.X	1 unit



MEC20027

### Document holder

- Self-adhesive; for higher loads use 6 mm holes.
- For DIN A4 documents.

#### ■ Material

- High-impact Polystyrol.

#### ■ Color

- Grey.

#### ■ Scope of delivery

- 1 x document holder.

W	L	T	Bestell-Nr.	VE
264	236	30	05.016.045.0	1 unit



ELM00058

### Luminestra LED Rack lighting

- Only for rack type Miracel 2 / DCM W 700, W 800.
- Mounted on the basic frame above the vertical extrusions.
- With LED 4000 Kelvin, 7 watt.
- With on/off rocker switch.
- With 2 m power supply cable and EURO plug.
- Complete with mounting material.
- Only with 123 mm front clearance space.

#### ■ Color

- White.

#### ■ Scope of delivery

- 1 x Luminestra rack lamp.
- 2 x mounting brackets.
- 1 x Mounting kit.

W	H	D	Order No.	UP
70	20	555	01.131.227.9	1 unit



ELM00135

### Compact rack lamp

#### ■ Features

- Magnetic mounting.
- Energy-saving lamp.
- Protective contact socket.
- ON/OFF switch.
- Power supply lead 3 m.
- Cover panel.

#### ■ Compliance

- VDE ICE.

#### ■ Protection rating

- IP20.

#### ■ Technical data

- Operating voltage 230 V / 50-60 Hz.
- Lighting: compact fluorescent tube with integrated starter.
- Power consumption: 11 W ≈ 75 W bulb.
- Light intensity: 900 Lm.
- Interference suppression compliant with VDE 0712, IEC 82.
- Socket: 230 VAC / 16A.
- Connections: 3-pole screw clamp, 2.5 mm<sup>2</sup> with strain relief.

W	H	D	Order No.	UP
65	65	365	01.131.465.9	1 unit

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		

### The right mounting set for every rack type

DCM	MIR2 T-slot	MIR2 Mount. holes	MIR2 Server	MIR2 Swing frame	Smaract T-slot	Smaract Mount. holes	Smaract Server	Double ProRack T-slot	Double ProRack Mount. holes	ConAct	Name	Order No.	UP
	●				●						T-Slot mounting set, M5, wide	<b>05.041.320.9</b>	1 set
		●				●					Mounting set Mount. holes M5/ Bl 1.5	<b>05.041.321.9</b>	1 set
●			●	●			●				Mounting set Mount. holes M5/ Bl 2.5	<b>05.041.325.9</b>	1 set
								●			Mounting set dpr T-slot, M5 narrow	<b>05.041.323.9</b>	1 set
									●		Mounting set dpr mount. holes M5	<b>05.041.322.9</b>	1 set
										●	Mounting Set, ConAct M5	<b>05.041.324.9</b>	1 set

### The right mounting set for front panel mounting Model: Z-form screw

DCM	MIR2 T-slot	MIR2 Mount. holes	MIR2 Server	MIR2 Swing frame	Smaract T-slot	Smaract Mount. holes	Smaract Server	Double ProRack T-slot	Double ProRack Mount. holes	ConAct	Name	Order No.	UP
	●				●						FP mounting set, T-slot M5, wide	<b>05.041.335.9</b>	1 set
		●				●				●	FP mounting set Mount. holes M5/ Bl 1.5	<b>05.041.336.9</b>	1 set
●			●	●			●		●		FP mounting set Mount. holes M5/ Bl 2.5	<b>05.041.337.9</b>	1 set
								●			FP mounting set, T-slot M5, narrow	<b>05.041.338.9</b>	1 set

### The right mounting set for front panel mounting Model: countersunk screw + rosette

DCM	MIR2 T-slot	MIR2 Mount. holes	MIR2 Server	MIR2 Swing frame	Smaract T-slot	Smaract Mount. holes	Smaract Server	Double ProRack T-slot	Double ProRack Mount. holes	ConAct	Name	Order No.	UP
	●				●						FP mounting set, T-slot M5, wide	<b>05.041.340.9</b>	1 set
		●				●				●	FP mounting set Mount. holes M5/ Bl 1.5	<b>05.041.341.9</b>	1 set
●			●	●			●		●		FP mounting set Mount. holes M5/ Bl 2.5	<b>05.041.342.9</b>	1 set
								●			FP mounting set, T-slot M5, narrow	<b>05.041.343.9</b>	1 set

## The right accessories for every rack type

DCM	MIR2 T-slot	MIR2 Mount. holes	MIR2 Server	MIR2 Swing frame	Smaract T-slot	Smaract Mount. holes	Smaract Server	Double ProRack T-slot	Double ProRack Mount. holes	ConAct	Name	Order No.	UP
	●				●						Spring nut, M5 wide	<b>01.350.431.9</b>	1 set
								●			Spring nut, M5 narrow	<b>05.041.503.9</b>	1 set
	●				●						Spring nut M6	<b>01.350.405.9</b>	1 set
		●				●				●	Cage nut M5/BI 1.5	<b>05.041.513.7</b>	1 set
●			●	●			●		●		Cage nut M5/BI 2.5	<b>05.041.518.7</b>	1 set
	●				●			●			Oval-head screws, Z-form, M5 x 10	<b>05.041.330.9</b>	1 set
●		●	●	●		●	●		●	●	Oval-head screws, Z-form, M5 x 16	<b>05.041.331.9</b>	1 set
	●				●			●			Countersunk screw M5 x 12 + rosette	<b>05.041.203.9</b>	1 set
●		●	●	●		●	●		●	●	Countersunk screw M5 x 16 + rosette	<b>05.041.290.9</b>	1 set



MIR00114

Mounting tool  
for cage nuts

- Allows easy clipping of cage nuts on extrusions.

- **Material**
  - Spring steel.

- **Scope of delivery**
  - 1 x mounting tool.

Order No.	UP
01.130.985.9	1 unit



MEC20125

T-Slot mounting set, M5, wide  
for MIR2/Smaract®

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

- **Scope of delivery**
  - 100 x spring nuts, M5 wide.
  - 100 x oval-head screws, Z-form, M5 x 10.
  - 20 x cage nuts M5 /plate, 1.5 mm.
  - 20 x cylinder screws, M5 x 8.

- **How supplied**
  - In sets.

Order No.	UP
05.041.320.9	1 set



MEC20126

Mounting set, M5 / plate, 1.5 mm  
for MIR2/Smaract®

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

- **Scope of delivery**
  - 100 x cage nuts M5 /plate, 1.5 mm.
  - 100 x oval-head screws, Z-form, M5 x 16.
  - 20 x spring nuts, M5 wide.
  - 20 x cylinder screws, M5 x 8.

- **How supplied**
  - In sets.

Order No.	UP
05.041.321.9	1 set



MEC20126

Mounting set; mounting holes  
server extrusion M5 / plate, 2.5 mm  
for MIR2/DCM®/Smaract®

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

- **Scope of delivery**
  - 100 Käfigmuttern M5 / Blech 2.5 mm.
  - 100 Linsenschrauben FormZ M5 x 16.
  - 20 Federmuttern M5 breit.
  - 20 Zylinderschrauben M5 x 8.

- **How supplied**
  - In sets.

Order No.	UP
05.041.325.9	1 set



MEC20127

T-slot mounting set, M5,  
narrow for DoubleProRack®

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

- **Scope of delivery**
  - 100 x spring nuts, M5 narrow.
  - 20 x oval-head screws, Z-form, M5 x 10.
  - 50 x cylinder screws, M5 x 10.
  - 30 x oval-head screws, Z-form, M5 x 8.

- **How supplied**
  - In sets.

Order No.	UP
05.041.323.9	1 set



MEC20126

Mounting set; mounting holes M5  
for DoubleProRack®

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

- **Scope of delivery**
  - 100 x cage nuts M5 /plate, 2.5 mm.
  - 50 x oval-head screws, Z-form, M5 x 16.
  - 40 x spring nuts, M5 narrow.
  - 40 x cylinder screws, M5 x 10.

- **How supplied**
  - In sets.

Order No.	UP
05.041.322.9	1 set

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			



MEC20096

### Mounting holes, mounting set, M5 for ConAct®

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

#### ■ Scope of delivery

- 50 x cage nuts M5 /plate, 1.5 mm.
- 50 x oval-head screws, Z-form, M5 x 16.
- 50 x cylinder screws, M5 x 8.
- 25 x locking nuts, M5.

#### ■ How supplied

- In sets.

Order No.	UP
05.041.324.9	1 set



MEC20129

### Front panel mounting set, T-slot, M5 wide for MIR2/Smaract®

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

#### ■ Scope of delivery

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

#### ■ How supplied

- In sets.

Model	Order No.	UP
Type 1: Z-form screw	05.041.335.9	1 set
Type 2: screw + rosette	05.041.340.9	1 set



MEC20098

### Front panel mounting set for MIR® 2/Smaract®/ConAct®

- For securing 19" front panels and 19" components.
- Mounting holes.

#### ■ Scope of delivery

- **Type 1:**  
50 x cage nuts M5 /plate, 1.5 mm.  
50 x oval-head screws, Z-form, M5 x 16.
- **Type 2:**  
50 x cage nuts M5 /plate, 1.5 mm.  
50 x countersunk screws, M5 x 16.  
50 x rosettes.

#### ■ How supplied

- In sets.

Model	Order No.	UP
Type 1: Z-form screw	05.041.336.9	1 set
Type 2: screw + rosette	05.041.341.9	1 set



MEC20098

### Front panel mounting set; mounting holes, M5/plate, 2.5 mm for MIR2/DCM®/Smaract®/DoubleProRack®

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

#### ■ Scope of delivery

- **Type 1:**  
50 x cage nuts M5 /plate, 2.5 mm.  
50 x oval-head screws, Z-form, M5 x 16.
- **Type 2:**  
50 x cage nuts M5 /plate, 2.5 mm.  
50 x countersunk screws, M5 x 16.  
50 x rosettes.

#### ■ How supplied

- In sets.



MEC20097

Model	Order No.	UP
Type 1: Z-form screw	05.041.337.9	1 set
Type 2: Screw + rosette	05.041.342.9	1 set



MEC20129

### Front panel mounting set, T-slot for DoubleProRack®

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

#### ■ Scope of delivery

- **Type 1:**  
50 x spring nuts, M5 narrow.  
50 x oval-head screws, Z-form, M5 x 10.
- **Type 2:**  
50 x spring nuts, M5 narrow.  
50 x countersunk screws, M5 x 12.  
50 x rosettes.

#### ■ How supplied

- In sets.



MEC20130

Model	Order No.	UP
Type 1: Z-form screw	05.041.338.9	1 set
Type 2: screw + rosette	05.041.343.9	1 set



MEC00060

### Spring nut

- To clip on T-slot where required.
- **Type 1:** M5 wide for Miracel 2 / Smaract. T-slot size: 10 x 13 mm.
- **Type 2:** M5 narrow for DoubleProRack. T-slot size: 8 x 13 mm.
- **Type 3:** M6 for Miracel 2 / Smaract. T-slot size: 10 x 13 mm.

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

- **How supplied**  
– In sets.

Model	Order No.	UP
Type 1: M5 wide	<b>01.350.431.9</b>	1 set
Type 2: M5 narrow	<b>05.041.503.9</b>	1 set
Type 3: M6	<b>01.350.405.9</b>	1 set



MEC20139

### Cage nut

- For clipping into extrusions with mounting holes.
- **Type 1:** Plate, 1,5 mm for Miracel 2 / Smaract / ConAct.
- **Type 2:** Plate, 2,5 mm for Miracel 2 Server / Smaract Server / DoubleProRack with 19" mounting holes.

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

- **How supplied**  
– In sets.

Model	Order No.	UP
M5: Type 1: Plate, 1,5 mm	<b>05.041.513.7</b>	1 set
M5: Type 2: Plate, 2,5 mm	<b>05.041.518.7</b>	1 set
M6: Type 1: Plate, 1,5 mm	<b>05.041.514.7</b>	1 set
M6: Type 2: Plate, 2,5 mm	<b>05.041.519.7</b>	1 set



MEC20140

### Oval-head screw

- IEC DIN 967.
- **Scope of delivery**  
– 50 x oval-head screws, Z-form.
- **How supplied**  
– In sets.

Model	Order No.	UP
M5 x 10	<b>05.041.330.9</b>	1 set
M5 x 16	<b>05.041.331.9</b>	1 set
M6 x 10	<b>05.041.332.9</b>	1 set
M6 x 16	<b>05.041.333.9</b>	1 set



MEC20141

### Countersunk screw + rosette

- IEC DIN EN ISO 7047.
- **Scope of delivery**  
– 50 x countersunk screws.  
– 50 x rosettes.
- **How supplied**  
– In sets.

Model	Order No.	UP
M5 x 12	<b>05.041.203.9</b>	1 set
M5 x 16	<b>05.041.290.9</b>	1 set



MEC80020

### Oval-head screw self-guiding

- DIN 7500.
- Suitable for system accessories fixed on the inside of the 19" extrusions.
- Suitable for 19" steel and 19" aluminum extrusions.
- Easy screwing.
- **Scope of delivery**  
– 50 x oval-head screws, M6x10.
- **How supplied**  
– In sets.

Model	Order No.	UP
M6 x 10	<b>05.041.334.9</b>	1 set

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		





MEC20227

### Oval-head screw With Phillips head

- IEC DIN EN ISO 7045.

- **Scope of delivery**  
– 1 x set of 50 units.



MEC20228

L	Model	Order No.	UP
8	M 5 no washer	05.041.611.8	1 set
12	M 4 no washer	05.041.609.8	1 set
12	M 5 with washer	05.041.613.8	1 set
16	M 5 with washer	05.041.614.8	1 set
16	M 6 with washer	05.041.616.8	1 set



MEC20226

### Cylinder screw With hexagon head

- IEC ISO 4762 (modified).

- **Scope of delivery**  
– 1 x set of 50 units.

L	Model	Order No.	UP
8	M 5	05.041.574.8	1 set
8	M 5 microencapsulated	05.041.575.9	1 set



MEC20225

### Tensiloc nut

- **Material**  
– Steel nickel-plated.

- **Scope of delivery**  
– 1 x set of 50 units.

Model	Order No.	UP
M 5	05.041.533.8	1 set



HEI00379

### Distribution box

- For mounting trade-standard installation technology DIN rail components, such as fuses, clamps, relays, etc.
- When installed, the mounting level can be pulled out at the front and locked in position, significantly simplifying the wiring of the individual components. Not available for "fixed installation" model. Up on request: Delivered assembled and wired. Further versions and models up on request.
- Installation space for up to 22 pieces of equipment with 18 mm width each.
- Mounting of the TS35 DIN rail on several levels with simple plug-in connection. Not available for "fixed installation" model.
- "Snap-in" mounting of DIN rail components.
- Easy access to the protective grounding and neutral conductor rails from the front.
- Various positioning options available for N and PE rails. Not available for "fixed installation" model.
- Cable entry at the rear via double brush strip (optionally via bushing sockets).
- Cable strain relief on the inside and therefore accessible from the front.
- Labeling strips on the front, above and below the installation space.
- Installation options available for power distribution with 230 V AC, but also in the low-voltage range (e.g. 48 V DC).
- 19" slot-in, 3 U, depth 150 mm.

- **Material / Finish**  
– Panels powder-coated texture, RAL 7035 light-grey.  
– Main unit, sheet steel, zinc-passivated.

- **Scope of delivery**  
– 1 x distribution box.  
– Including N and PE rails, cable entry, cable strain relief, empty panel covers and grounding set.

- **How supplied**  
– Fully assembled.

W	H	D	U	19"	Model	Order No.	UP
482.6	134	150	3	•	Pull-out	03.013.385.1	1 unit
482.6	134	150	3	•	Fixed	03.013.470.1	1 unit



HEI20282



ELM00137

### Door contact switch

- On/off switch, 4 A, 230 V ~.
- Activated by opening and closing door.

#### ■ Scope of delivery

- 1 x door contact switch (not wired).
- 1 x mounting bracket.
- 1 x Mounting kit.

Order No.	UP
01.110.722.9	1 unit



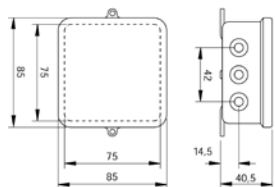
ELM00033

### Cable junction box

- For 230 V electrical installation on-site.
- As fixed-location exchange point.
- Quick and easy mounting.

#### ■ Scope of delivery

- 1 x cable junction box.



ELM00034

Order No.	UP
00.078.720.9	1 unit



ELM00128

### Modular terminal box

- For 230V electrical installation on-site.
- With series terminal, 8 x 42.
- Pg 11/16 entry.
- IP 54.

#### ■ Material

- High-impact, fire-resistant polystyrene.

#### ■ Scope of delivery

- 1 x modular terminal box.
- 4 pg compression glands, pg11.

Order No.	UP
01.117.521.9	1 unit



ELM00114

### 1 equipotential bonding bar

- For central grounding of all protective conductors.
- With sealable cover.
- Connection options:  
1 x round conductor 8 – 10 mm Ø  
1 x flat conductor up to 30 mm wide or round conductor 8 – 10 mm Ø.
- 7 x single or multi-wire conductors up to 16 mm² or fine-wire conductors up to 10 mm².

#### ■ Material

- Base plate and cover plate, high-impact plastic.
- Brass nickel-plated contact strip.

#### ■ Scope of delivery

- 1 x equipotential bonding bar.

Order No.	UP
01.117.524.3	1 unit



ELM00068

### Grounding bar

- For safe grounding or potential equalization of equipments and components.

#### ■ Material

- Electrolyte copper 9 x 9.

#### ■ Scope of delivery

- 1 x grounding bar.
- 2 x brackets.
- 1 x Mounting kit.

U	Model	Order No.	UP
24	For DoubleProRack	01.240.546.9	1 unit
21	For DoubleProRack	01.240.545.9	1 unit
18	For DoubleProRack	01.240.544.9	1 unit
15	For DoubleProRack	01.240.543.9	1 unit
45	For Miracel 2 / DCM	01.110.709.9	1 unit
41	For Miracel 2 / DCM	01.110.708.9	1 unit
12	For Miracel 2 / DCM	01.110.703.9	1 unit



DOP20016

### Contact clamp

- Enables safe connection of equipment and components to grounding bar.
- For cables up to 25 mm².

#### ■ Scope of delivery

- 20 x contact clamps.

Order No.	UP
01.110.715.9	20 units

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® Cable Management

### Features

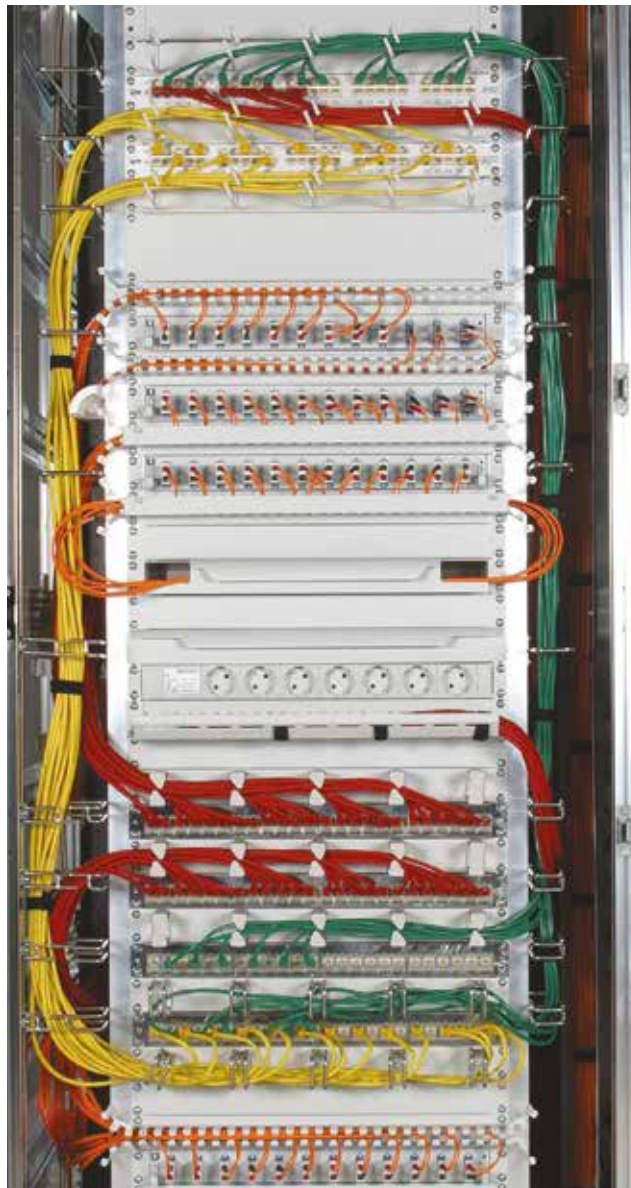
- Allows for prescribed cable radii.
- Components are easy to secure and use.
- Components feature addition functions.
- Extensive use of reusable Velcro strips precludes cable strain.
- No blockage of airflow within the rack.

**Global networking is continuing to grow, meaning users are in need of an intelligent cable management solution.**

To meet this demand, Vertiv Knürr offers a range of products and solutions for server racks, active and passive network racks, as well as special racks.

Our range not only allows you to quickly and easily set up and dismantle racks, it also makes it much simpler to troubleshoot problems in your systems and expand your systems. Our cable management components are all based on a number of key principles: Simple and self-explanatory operation, versatile application options, a clear structure, and a cost-efficient design.

Thanks to the Vertiv Knürr cable management system, your rack will be equipped for the future and will save you time and money for the long term.





MEC20064



MEC20084



MEC20086

## Vertiv™ Knürr® Cable Management Terminology

**Laying cables involves ensuring that mechanical stresses are completely avoided.**

### ■ Bending load

The bending radii may never fall below the values provided by the cable manufacturer in the respective data sheets. Where excessive bending occurs, the cables' electrical properties are impaired, and transmission bandwidths and ranges are adversely affected. If manufacturer specifications are not available, then the following rule of thumb applies: loose cabling should be at least 15 times the external cable diameter and fixed cabling at least 10 times the external cable diameter.

### ■ Buckling load

Extreme bending loads can cause the cable to break.

### ■ Tensile load

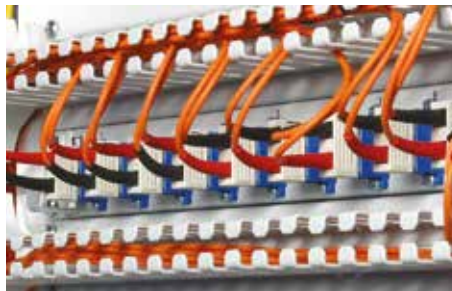
This is determined solely by the copper cross-section of the conductor, as all other materials are too soft. The cable may not be exposed to stress exceeding 50 N/mm<sup>2</sup> (Cu cross-section) as this causes the conductors to stretch which reduces the cross-section. If higher "pulling" forces are required, cables with additional strain-reduction elements must be used.

### ■ Compressive stress

Compressive stress is caused by loads bearing down from above, fixed clamping or sharp cable kinking and must always be avoided, as otherwise the "loose" cable structure changes and electrical transmission properties are impaired.

### ■ Torque strains (twisting)

Cables must never be subjected to torque strains, as they cause cable elements to shift and change their position relative to each other, thereby impairing transmission properties.



LIG00021



## Vertiv™ Knürr® Cable Management Proper Usage

- Various components for fiberglass and copper cables – especially fastening options such as Velcro and cable bundling using different colored strips – guarantee transparent cable management, providing an optimal starting point for both intelligent network expansion and ideal service convenience. (1)
- Special attention has been paid to ensuring that all cable management components can be fastened with Velcro strips which eliminate cable strain and can be reused at any time. Velcro cable ties also aid the installation technician as they are easily manageable, using pinch-free cable bundling. (2)
- Excess cable is stored separately from the patch fields while remaining easily accessible. Copper cable excess can be stored separately from fiber glass excess within the Knürr rack systems: the copper cables are stored on the side while the more sensitive fiberglass cables are stored in a drawer at the front. (3)
- A closer look at the individual products reveals their outstanding versatility. The cable-routing multifunctional brace, for example, not only provides the option of routing cables both horizontally and vertically using Velcro or cable ties, but additionally allows numerous components to be mounted with screws and caged nuts. These caged nuts can also be shifted in a slot with room for play, so that every mounting dimension is accommodated. (4)



1. MEC20082



2. MEC20070



3. MEC20099



3. MEC20079



4. MEC20077



4. MEC20091



5. MEC20071

## Vertiv™ Knürr® Cable Management

### Overhead Cabling

#### Features

- Modular, extremely flexible.
- Robust construction.
- Includes integrated radius for cable entry into rack.
- New cover panel with lateral cable entry.
- Selection of cable throughs and mesh cable trays.
- Suitable for Vertiv Knürr DCM and Vertiv Knürr MIR.
- Includes Vertiv SmartAisle™ enclosure.
- Various combinations possible.

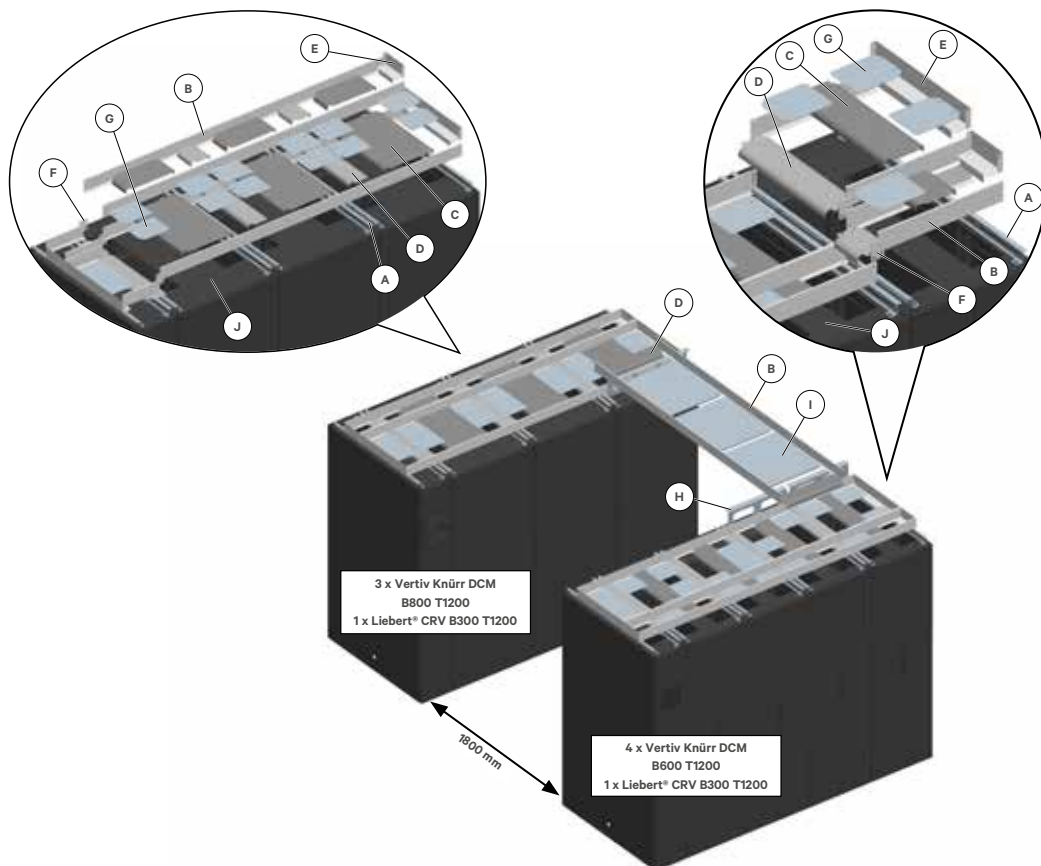
#### Vertiv's Overhead Cabling Solution

The Vertiv Knürr overhead cable management system is a complete, modular system which offers a variety of cable-tray installment options. The components are very flexible and can be installed on site or modified with ease, to accommodate cable-management requirements that differ from rack to rack. This extremely sturdy and robust system can withstand high stress levels and is suitable for any application. Combined with other items from the Knürr cable-management product range, it provides a comprehensive solution that delivers proper cable bend radii.

#### Example of Overhead Configuration

#### Legend

- (A)** Support bracket
- (B)** Mounting bracket
- (C)** Center panel insert
- (D)** Transitional cover
- (E)** End panel insert
- (F)** Connecting panel insert
- (G)** Cover plate
- (H)** Support bracket cross-cabling
- (I)** Cover cross-cabling
- (J)** New cover panel with lateral cable entry



## Configuration Assistant

Sample Order	Name	Item	
<b>- Left rack suite</b>			
	Vertiv Knürr DCM B800 T1200	3	01147.722.8
	New cover panel with lateral cable entry (J)	3	01147.579.8
	Liebert® CRV B300 T1200	1	CR0302XXX-XXXXXX
	Support bracket (A)	4	05.045.005.X
	Mounting bracket (B)	2	05.045.011.X
		2	05.045.015.X
	Center panel insert (C)	3	05.045.023.X
		3	05.045.024.X
	Transitional cover (D)	3	05.045.031.X
		3	05.045.032.X
	End panel insert (E)	1	05.045.041.X
		1	05.045.042.X
	Connecting panel insert (F)	1	05.045.045.X
	Cover plate (G)	2	05.045.047.X
<b>- Right rack suite</b>			
	Vertiv Knürr DCM B800 T1200	4	01147.714.8
	New cover panel with lateral cable entry (J)	4	01147.574.8
	Liebert® CRV B300 T1200	1	CR0302XXX-XXXXXX
	Support bracket (A)	4	05.045.005.X
	Mounting bracket (B)	2	05.045.011.X
		8	05.045.012.X
	Center panel insert (C)	4	05.045.021.X
		4	05.045.022.X
	Transitional cover (D)	4	05.045.031.X
		4	05.045.032.X
	End panel insert (E)	1	05.045.041.X
		1	05.045.042.X
	Connecting panel insert (F)	2	05.045.045.X
	Cover plate (G)	2	05.045.047.X
<b>- Cross-cabling</b>			
	Support bracket (H)	1	05.045.052.X
		1	05.045.053.X
	Mounting bracket (B)	1	05.045.015.X
	Transitional cover (D)	2	05.045.032.X
	Cover (I)	1	05.045.057.X

## Required Data for Overhead Cabling

– **Width of racks in the rack suite** (300, 600 or 800 mm)

– **Depth of racks in the rack suite** (1000 to 1200 mm)

– **Number of racks in one rack suite**

– **Aisle width** (Standard dimensions 1200, 1500 and 1800 mm ± 50 mm) – for cross-cabling

– **Color** light-grey RAL 7035 or dark-grey RAL 7021

## Example

Rack width (W) = 800 mm

Rack depth (D) = 1200 mm

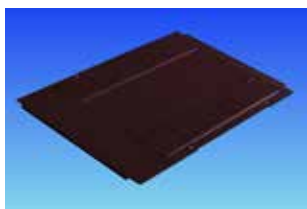
Aisle width (AW) = 1800 mm

Dark-grey RAL 7021

## Prerequisites for Overhead Cabling

**J**

### Cover panel with lateral cable entry



DCM20079

- With lateral cable entry on both sides (sliding plates).
- For orderly cable management with in the rack.
- Optional brush strips.

#### Material

- Sheet steel, 1.5 mm.

#### Finish / Color

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

#### Scope of delivery

- 1 Deckel mit seitlicher Kabeleinführung.
- Montagematerial.

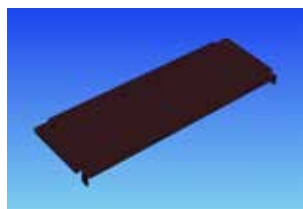
#### How supplied

- In sets.

W <sub>Rack</sub>	D <sub>Rack</sub>	For rack type	Order No.	UP
600	1000	MIR2 / DCM	<b>01.147.572.X</b>	1 unit
600	1100	MIR2 / DCM	<b>01.147.573.X</b>	1 unit
600	1200	MIR2 / DCM	<b>01.147.574.X</b>	1 unit
800	1000	MIR2 / DCM	<b>01.147.577.X</b>	1 unit
800	1100	MIR2 / DCM	<b>01.147.578.X</b>	1 unit
800	1200	MIR2 / DCM	<b>01.147.579.X</b>	1 unit

**K**

### MIR2 / DCM cover panel short



DCM20081

- For covering the front overhead area; the rest remains open.
- Facilitates unobstructed cable entry inside the rack.

#### Material

- Sheet steel, 1.5 mm.

#### Finish / Color

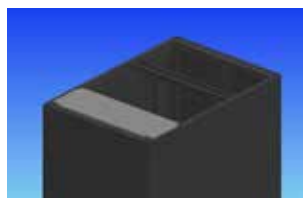
- Powder-coated texture, RAL 7021, dark-grey.

#### Scope of delivery

- 1 x cover panel, short.
- 1 x Mounting kit.

#### How supplied

- In sets.



DCM20080

W <sub>Rack</sub>	L	For rack type	Order No.	UP
600	250	MIR2 / DCM	<b>01.147.268.8</b>	1 unit
800	250	MIR2 / DCM	<b>01.147.269.8</b>	1 unit

#### Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Insertion depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

#### Conversion:

1 mm	≈ 0.03937 inch
1 kg	≈ 2.2046 pounds

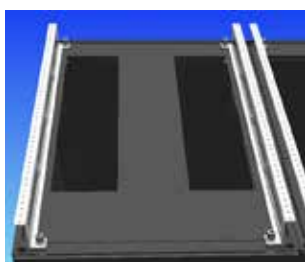


## A

### Support bracket



MEC20200



MEC20201

- Secures corner piece at the top of the rack.
- Quick and easy mounting.
- Suitable for both MIR2 and DCM racks.
- Includes screw for securing the mounting brackets, transitional cover and end panel inserts.

- **Material**
  - Sheet steel 2.0 mm.

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

- **Scope of delivery**
  - 2 x support brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

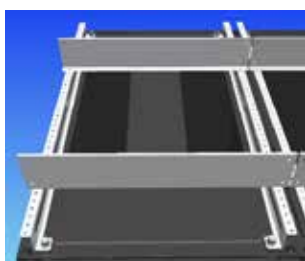
H	D <sub>Rack</sub>	For rack type	Order No.	UP
44	1000	MIR2 / DCM	05.045.003.X	1 set
44	1100	MIR2 / DCM	05.045.004.X	1 set
44	1200	MIR2 / DCM	05.045.005.X	1 set

## B

### Mounting brackets



MEC20202



MEC20203

- Secured on support bracket.
- Quick and easy mounting.
- Separate cable trays.

- **Material**
  - Sheet steel 1.0 mm.
- **Finish**
  - Final digit of order number .1: powder-coated, RAL 7035 light-grey.
  - Final digit of order number .8: powder-coated, RAL 7021 dark-grey.

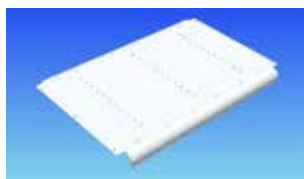
- **Scope of delivery**
  - 2 x mounting brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

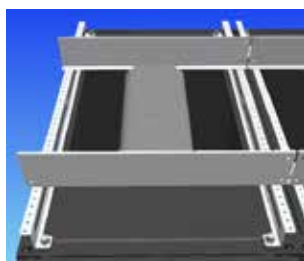
W / L	H	For rack type	Order No.	UP
300	90	MIR2 / DCM	05.045.011.X	1 set
600	90	MIR2 / DCM	05.045.012.X	1 set
800	90	MIR2 / DCM	05.045.013.X	1 set
2400	90	MIR2 / DCM	05.045.015.X	1 set
3000	90	MIR2 / DCM	05.045.016.X	1 set

## C

### Center panel insert



MEC20205



MEC20204

- Secured on mounting bracket.
- Quick and easy mounting.
- With 25 mm radius for bending the cables.

- **Material**
  - Sheet steel, 1.5 mm.

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

- **Scope of delivery**
  - 1 x center panel insert.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

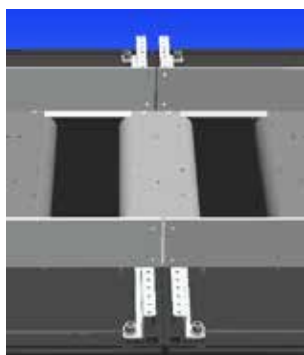
W / L	W <sub>Rack</sub>	R	For rack type	Order No.	UP
200	600	25	MIR2 / DCM	05.045.021.X	1 set
600	600	25	MIR2 / DCM	05.045.022.X	1 set
200	800	25	MIR2 / DCM	05.045.023.X	1 set
600	800	25	MIR2 / DCM	05.045.024.X	1 set

## D

### Transitional cover from rack to rack



MEC20206



MEC20212

- Secured on support bracket.
- Quick and easy mounting.
- With 25 mm radius for bending the cables.

- **Material**
  - Sheet steel, 1.5 mm.

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

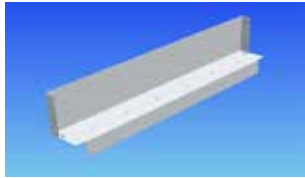
- **Scope of delivery**
  - 1 x transitional cover.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.

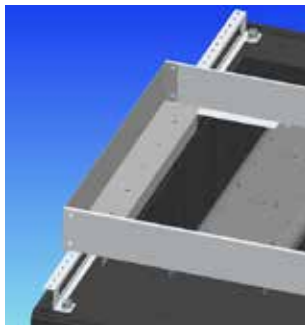
W / L	R	For rack type	Order No.	UP
200	25	MIR2 / DCM	05.045.031.X	1 set
600	25	MIR2 / DCM	05.045.032.X	1 set

## E

### End panel insert



MEC20207



MEC20214

- Secured on support bracket.
- Quick and easy mounting.
- Completes cable trays.

#### Material

- Sheet steel 1.0 mm.

#### Finish

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

#### Scope of delivery

- 2 x end panel inserts.
- 1 x Mounting kit.

#### How supplied

- In sets.

W / L	For rack type	Order No.	UP
200	MIR2 / DCM	05.045.041.X	1 set
600	MIR2 / DCM	05.045.042.X	1 set

## F

### Connecting panel insert



MEC20208



MEC20213

- For joining mounting brackets.
- Quick and easy mounting.

#### Material

- Sheet steel, 1.5 mm.

#### Finish

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

#### Scope of delivery

- 10 x connecting panel inserts.
- 1 x Mounting kit.

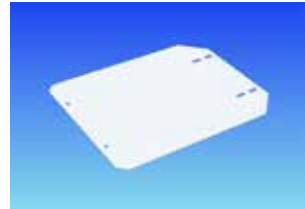
#### How supplied

- In sets.

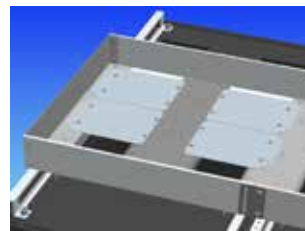
W	H	For rack type	Order No.	UP
64	86	MIR2 / DCM	05.045.045.X	1 set

## G

### Cover plate



MEC20209



MEC20215

- For covering the space between the center panel inserts and transitional covers.
- Quick and easy mounting.

#### Material

- Sheet steel 1.0 mm.

#### Finish

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

#### Scope of delivery

- 10 x cover plates.
- 1 x Mounting kit.

#### How supplied

- In sets.

L	W	For rack type	Order No.	UP
229	183	MIR2 / DCM	05.045.047.X	1 set

## Option

### Mesh cable tray



MEC20218

- Secured on support bracket.
- Quick and easy mounting.

#### Material

- Round steel, d = 4.5 mm.

#### Finish

- Zinc-passivated.

#### Scope of delivery

- 1 x mesh cable tray.
- 1 x Mounting kit.

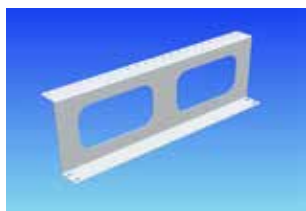
#### How supplied

- In sets.

B	L	H	For rack type	Order No.	UP
200	3000	54	MIR2 / DCM	05.045.061.9	1 set
600	3000	54	MIR2 / DCM	05.045.062.9	1 set

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		

## H



MEC20210



MEC20216

### Support bracket Cross-cabling

- For cable management at the top between rack suites.
- Quick and easy mounting.
- Includes screw for securing the mounting brackets, transitional covers and cover plates.

#### Material

- Sheet steel 2.0 mm.

#### Finish

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

#### Scope of delivery

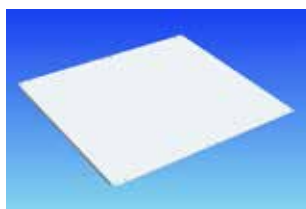
- 2 x support brackets, cross-cabling.
- 1 x Mounting kit.

#### How supplied

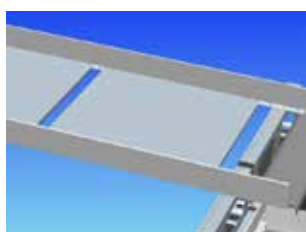
- In sets.

H	W <sub>Rack</sub>	For rack type	Order No.	UP
166	600	MIR2 / DCM	05.045.052.X	1 set
166	800	MIR2 / DCM	05.045.053.X	1 set

## I



MEC20211



MEC20217

### Cross-cabling Cover

- Provides support for cables and covers the space between the rack suites.
- Secured on mounting bracket.
- Quick and easy mounting.

#### Material

- Sheet steel 1.0 mm.

#### Finish

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

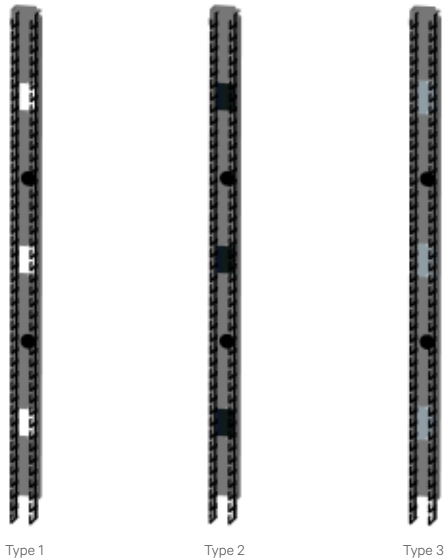
#### Scope of delivery

- 5 x cover plates.
- 1 x Mounting kit.

#### How supplied

- In sets.

L	W	For rack type	Order No.	UP
200	200	MIR2 / DCM	05.045.055.X	1 set
200	600	MIR2 / DCM	05.045.056.X	1 set
600	600	MIR2 / DCM	05.045.057.X	1 set



Type 1

Type 2

Type 3

## Vertiv™ Knürr® Cable Management

### ■ Features

- Organized cabling of jumper cables.
- Suitable depends on the model, for 19" Vertiv Knürr, DCM® and MIR2® Racks.
- Also available optionally as cold/warm partitioning.
- Cutouts for cabling from front to back.
- Lightweight plastic construction of the cable fingers ensures durability and simple installation (clip-on).
- Distance between fingers provides sufficient space for all patch cords.
- Rounded edges on the fingers protect cables against damage.

## Cable manager models

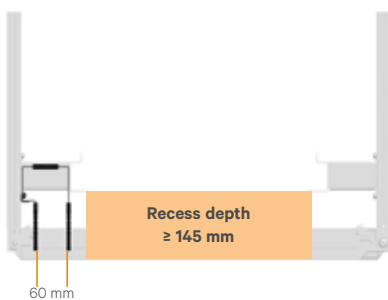
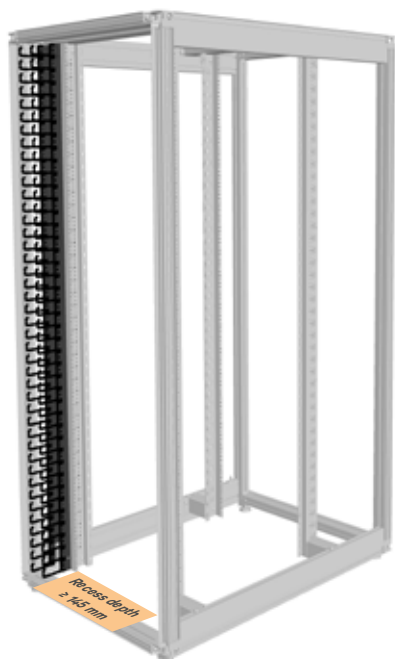
### ■ Type 1: Standard (open cutouts).

### ■ Type 2: Version with brush strips in cutouts for cable routing towards the rear.

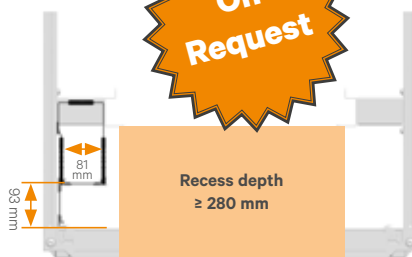
### ■ Type 3: Version with sheet-steel cover plates in cutouts as part of the cold/warm partitioning.

## Technical data and required recess depths

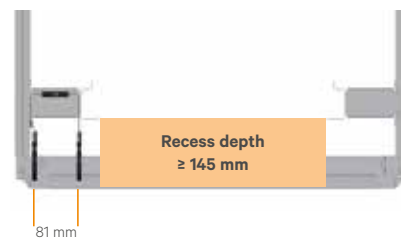
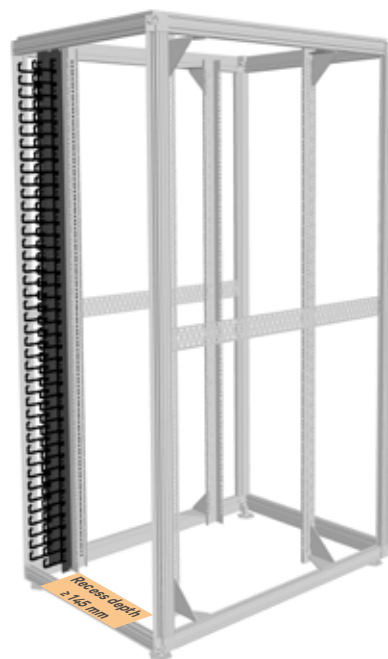
### Vertiv Knürr DCM®



### Vertiv Knürr DCM



### Vertiv Knürr MIR2®



## Vertiv™ Knürr® DCM® cable manager, vertical

### Description

- **Left and right models (2 cable managers) included in the delivery.**
- Ideal for organizing cabling of jumper cables (copper and fiber optic cables).
- Retrofitting is possible.
- Prepared for full cold/warm partitioning.
- Cable fingers can be easily installed (clipped on).
- Cabling towards the rear through rubber bushings or cutouts.
- **Can be used for recess depths from 145 mm.**

### Material / Finish

- Cable duct: Sheet steel, 2.0 mm.
- Final digit of order number .1: powder-coated, RAL 7035 light-grey.
- Final digit of order number .8: powder-coated, RAL 7021 dark-grey.
- Cable fingers: Polyamide (UL 94 V-O), black.

### Scope of delivery

- 1 x cable duct, left.
- 1 x cable duct, right.
- 4 x rows with cable fingers.
- 4 x rubber bushings.
- 1 x Mounting kit.

### How supplied

- In pairs (cable fingers unassembled).

### Remarks

- Only for DCM Rack.



DCM20118



DCM20119

W <sub>Rack</sub>	H <sub>Rack</sub>	U	Recess depth	Cutout size	Order No.	UP
800	2000	42	Starting from 145 mm	66 x 100 mm	<b>05.045.102.X</b>	1 pair
800	2200	47	Starting from 145 mm	66 x 100 mm	<b>05.045.103.X</b>	1 pair



DCM20120



DCM20121

### DCM cover panel for vertical cable manager

- **For only 1 cable manager, i. e., 2 kits required for B800 rack.**
- Covers the vertical cable manager.
- Tool-less fastening – clips onto cable finger.
- Can be swiveled on both sides and removed completely.

### Material / Finish

- Cover: sheet steel, 2.0 mm.
- Final digit of order number .1: powder-coated, RAL 7035 light-grey.
- Final digit of order number .8: powder-coated, RAL 7021 dark-grey.
- Clip: polyamide (UL 94 V-O), black.

### Scope of delivery

- 2 x covers.
- 8 x clips.

### How supplied

- In sets (clips pre-assembled).

W	H	U	Order No.	UP
55	927	42	<b>05.045.112.X</b>	1 set
55	1038	47	<b>05.045.113.X</b>	1 set



DCM20117

### DCM/MIR2® kit for air partitioning for vertical cable manager

- **Suitable for DCM and MIR2 racks.**
- Separates the cold and hot areas within the rack.
- Prevents hot-spots (air recirculation).

### Material / Finish

- Bottom plate, cover plate: sheet steel, 1.0 mm.
- Final digit of order number .1: powder-coated, RAL 7035 light-grey.
- Final digit of order number .8: powder-coated, RAL 7021 dark-grey.
- High-density foam: PUR foam (UL94 HF-1).

### Scope of delivery

- 1 x bottom plate.
- 6 x covers for cable routing.
- 1 x Foam element, side.
- 1 x Foam element, top.
- 1 x Mounting kit.

### How supplied

- In sets.

### Remarks

- For DCM and MIR2 Rack.

W <sub>Rack</sub>	U	Order No.	UP
800	42 and 47	<b>05.045.132.X</b>	1 set

Vertiv™ Knürr® MIR2® – Cable Manager, Vertical



Left and right models (2 cable managers) included in the delivery.

- Ideal for organizing cabling of jumper cables (copper and fiber optic cables).
- Retrofitting is possible.
- Prepared for full cold/warm partitioning.
- Cable fingers can be easily installed (clipped on).
- Cabling towards the rear through rubber bushings or cutouts.

Can be used for recess depths from 145 mm.

Material / Finish

- Cable duct: Sheet steel, 2.0 mm.  
Final digit of order number .1:  
powder-coated, RAL 7035 light-grey.  
Final digit of order number .8:  
powder-coated, RAL 7021 dark-grey.
- Cable fingers: Polyamide (UL 94 V-O), black.

Standard inclusion

- 1 x cable duct, left.
- 1 x cable duct, right.
- 4 x rows with cable fingers.
- 4 x rubber bushings.
- 1 x Mounting kit.

Delivery

- In pairs (cable fingers unassembled).

Note

For MIR2 only.

W Rac	H Rac	D	U	Recess depth	Cutout size	Order No.	Up
800	2000	42		Starting from 145 mm	81 x 100 mm	05.045.152.x	1 pair
800	2200	47		Starting from 145 mm	81 x 100 mm	05.045.153.x	1 pair

Vertiv Knürr MIR2 – Cover Panel for Vertical Cable Manager



For only 1 cable manager, i. e., 2 kits required for B800 rack.

- Covers the vertical cable manager.
- Tool-less fastening – clips onto cable finger.
- Can be swiveled on both sides and removed completely.

Material / Finish

- Cover: sheet steel, 2.0 mm.  
Final digit of order number .1:  
powder-coated, RAL 7035 light-grey.  
Final digit of order number .8:  
powder-coated, RAL 7021 dark-grey.
- Clip: polyamide (UL 94 V-O), black.

Standard inclusion

- 2 x covers.
- 8 x clips.

Delivery

- In sets (clips pre-assembled).

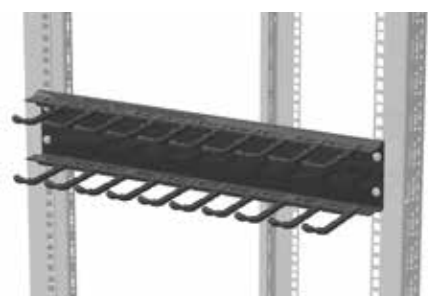
Note

For MIR2 only.

W	H	D	U	Order No.	Up
55	927	42		05.045.114.x	1 set
55	103	47		05.045.115.x	1 set



DCM20112



DCM20114

## MIR2® / DCM® 19" cable manager, horizontal

### Description

- 1 U and 2 U models.
- For organized cabling of jumper cables (copper and fiber optic cables).
- Front-mounting on 19" extrusions.
- Cable fingers can be easily installed (clipped on).
- **Can be used for recess depths from 145 mm.**

### Material / Finish

- Cable duct: sheet steel, 2.0 mm.
- Final digit of order number .1:  
powder-coated, RAL 7035 light-grey.
- Final digit of order number .8:  
powder-coated, RAL 7021 dark-grey.
- Cable fingers: polyamide (UL 94 V-0), black.

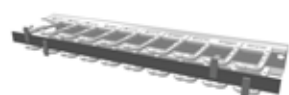
### Scope of delivery

- 1 x cable duct.
- 2 x rows with cable fingers.
- 1 x Mounting kit.

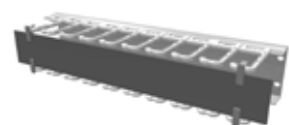
### How supplied

- In sets (cable fingers unassembled).

W	U	Recess depth	Order No.	UP
483	1	Starting from 145 mm	<b>05.045.120.X</b>	1 unit
483	2	Starting from 145 mm	<b>05.045.122.X</b>	1 unit



DCM20113



DCM20115

## MIR2 / DCM Cover for 19" horizontal cable manager

- Covers the horizontal cable managers.
- Tool-less fastening – clips onto cable finger.
- Can be swiveled on both sides and removed completely.

### Material / Finish

- Cover: sheet steel, 2.0 mm.
- Final digit of order number .1:  
powder-coated, RAL 7035 light-grey.
- Final digit of order number .8:  
powder-coated, RAL 7021 dark-grey.
- Clip: polyamide (UL 94 V-0), black.

### Scope of delivery

- 1 x cover.
- 4 x clips.

### How supplied

- In sets (clips pre-assembled).

W	H	U	Order No.	UP
483	20	1	<b>05.045.121.X</b>	1 set
483	65	2	<b>05.045.123.X</b>	1 set



MIR20093



DCM20122

## MIR2 / DCM Brush strips for vertical cable manager

- Upgrade kit for vertical cable manager for routing cables toward the rear.
- Inserted in openings in cable duct (1 pair of brushes per opening).

### Scope of delivery

- 3 x pairs of brushes (length: 99 mm).

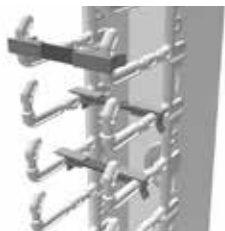
### How supplied

- In sets.

L	for cutouts	Order No.	UP
99	66 x100 mm	<b>05.045.130.9</b>	1 set

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		





DCM20116

## DCM® kit for cascading; vertical cable manager

- Separates individual cable groups.
- Tool-less fastening – clips onto cable finger.
- Protects the cables and can be used for labeling.

### Material / Finish

- Cascade: sheet steel, 2.0 mm.
- Powder-coated texture, RAL 7021 dark-grey.
- Clip: polyamide (UL 94 V-0), black.

### Scope of delivery

- 10 x cascades.
- 20 x clips.

### How supplied

- In sets (clips pre-assembled).



MIR20454

## MIR2® kit for cascading; vertical cable manager

- For separating individual cable groups.
- Tool-less fastening – clips onto cable finger.
- Protects the cables and can be used for labeling.

### Material / Finish

- Cascade: sheet steel, 2.0 mm. Powder-coated texture, RAL 7021 dark-grey.
- Clip: polyamide (UL 94 V-0), black.

### Scope of delivery

- 10 x cascades.
- 20 x clips.

### How supplied

- In sets (clips pre-assembled).

W	H	Order No.	UP
55	10	05.045.136.8	1 set

W	H	Order No.	UP
76	10	05.045.137.8	1 set



MEC00110

Type 1

## 19" cable routing board 1 U

- For orderly cable routing.
- Enables safe and secure cable routing of copper and fiberglass cables.

### Material / Finish

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

### Color

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

### External dimensions

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

### Scope of delivery

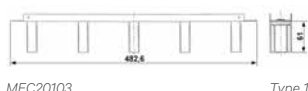
- 1 x 19" front plate.
- 5 x cable routers.

### How supplied

- Pre-assembled

### Note

- Please also order mounting material for front plates.



MEC20103

Type 1



MEC20104

Type 2

W	U	Jumpering space	Model	Order No.	UP
483	1	from 80 mm	Type 1	05.040.111.X	1 unit
483	1	from 123 mm	Type 2	01.117.144.X	1 unit



MEC20041

## 19" cable routing board, flexible, 1 U

- For orderly cable routing.
- Enables safe and secure cable routing of copper and fiberglass cables.

### Material / Finish

- Front plate, sheet steel, 1.5 mm, powder coated.
- Cable routing bracket, round steel, d = 5 mm, zinc-passivated.

### Color

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

### External dimensions

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

### Scope of delivery

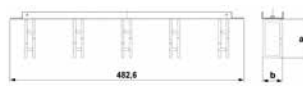
- 1 x front plate.
- 5 x cable routing boards.

### How supplied

- Pre-assembled.

### Note

- Please also order mounting material for front plates.



MEC20102



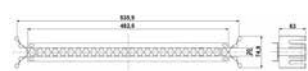
MEC20076

W	U	Jumpering space	Model	Order No.	UP
483	1	from 100 mm	Type 1	05.040.100.X	1 unit
483	2	from 120 mm	Type 2	05.040.101.X	1 unit





MEC20081



MEC20105



MEC20058

## Fiber optic cable routing panel 1 U

- For orderly cable routing.
- Enables safe and secure cable routing of fiber optic cables.
- Optionally with cover plates to protect the cables and can be used for labeling.

### Material / Finish

- Fiber optic cable routing panel: Sheet steel 1,5mm, powder-coated texture.
- Cover Accessories: Aluminium 2,5mm, 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 19" cable routing board.

### How supplied

- Single items.

### Note

Please also order mounting material for front plates and cover.  
Not suitable for rack widths of 600 mm and 700 mm (asymmetrical).

W	U	Model	Order No.	UP
483	1	Cable routing board	05.040.050.X	1 unit
		Accessories: cover	05.040.051.X	1 unit



MEC20049

## 19" cable through

- For organized cable management at the 19" front plate.
- Mounting possible on front plates.
- Cables can be fastened with Velcro.

### Material / Finish

- Sheet steel, 1,5 mm, 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 cable through.

### How supplied

- Single items.

### Note

Please also order mounting material for front plates and Velcro rolls.

W	D	U	Order No.	UP
483	100	1	05.040.055.X	1 unit



MEC20224

## Cable trough

- For orderly cable management in the MIR2 and DCM racks.
- Cables secured with Velcro strips or cable ties.
- 9 mm slit width for securing various parts to caged nuts.

### Material / Finish

- Sheet steel, 1,5 mm, zinc passivated, powder-coated.

### 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 cable trough.
- 1 x Mounting kit.

### How supplied

- In sets.

### Note

If required, please also order Velcro rolls.



MEC20067

H	w	Model	Order No.	UP
2000	100	For MIR2 and DCM racks	05.040.251.X	1 set
2200	100	For MIR2 and DCM racks	05.040.252.X	1 set
2000	150	For MIR2 and DCM racks	05.040.254.X	1 set
2200	150	For MIR2 and DCM racks	05.040.255.X	1 set
2000	200	For MIR2 and DCM racks	05.040.257.X	1 set
2200	200	For MIR2 and DCM racks	05.040.258.X	1 set



MEC00114

## Cable clamping bar

- Clips onto the C extrusion rail.

### Material

- Polyamide, black.

### Scope of delivery

- 1 set of 10 cable clamping bars.

### How supplied

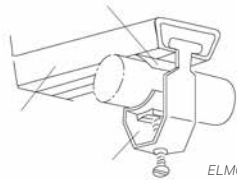
- In sets.

Order No.	UP
01.130.869.9	10 units

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			



MIR00096



ELM00086

## U clamp

- Reduces cabling strain and permits individual routing of cables and lines.
- Clamping range, 8–64 mm.

### Material

- Steel / plastic.

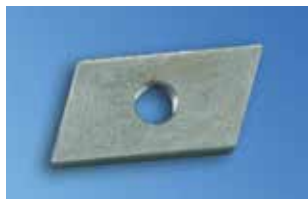
### Scope of delivery

- 25 x U clamps.
- 25 x clamping saddles.

### How supplied

- In sets.

Clamping range	Order No.	UP
8–12 mm	05.040.150.9	1 unit
12–16 mm	05.040.151.9	1 unit
16–22 mm	05.040.152.9	1 unit
22–28 mm	05.040.154.9	1 unit
34–40 mm	05.040.155.9	1 unit
46–52 mm	05.040.157.9	1 unit



MEC20051

## M5 threaded plate

- Used with C extrusion rails.

### Material / Finish

- Flat rolled steel, 4.0 mm, zinc passivated.

### Scope of delivery

- 20 x threaded plates.

### How supplied

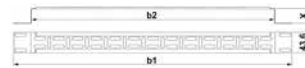
- In sets.

Order No.	UP
05.040.077.9	1 set



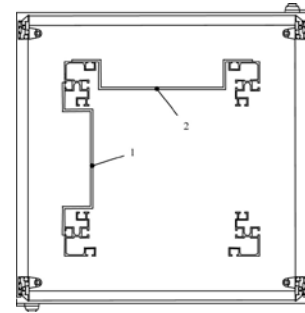
MEC20136

Type 1



MEC20120

Type 1



MIR00094

## Assembly crossbar

- Cable management with Velcro strips.
- Universal mounting option for installation accessories, socket strips, telecommunication installation units, mounting panels, etc.
- For side and cross installation.

### Material / Finish

- Sheet steel 1.5 mm, 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 assembly crossbar.

### How supplied

- Single items.

### Note

- Please also order the appropriate mounting material.

W/d	U	w1	w2	X	Type	Model	Order No.	UP
19"	1	482	442.6	81.5	1	Pos. 2: MIR2 / DCM / Smaract	05.040.018.X	1 unit



MEC20042

## Cable through between the racks

- For orderly cable routing between linked racks, adjacent racks.
- Velcro strips can be used for fastening.

### Material / Finish

- Sheet steel, 1.5 mm.
- Powder-coated texture, RAL 7035 light-grey.

### Scope of delivery

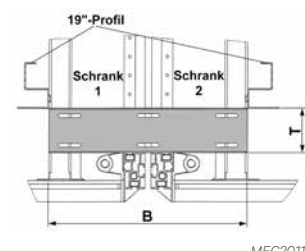
- 1 x cable through.
- 1 x Mounting kit.

### How supplied

- In sets.

### Note

- Please also order Velcro rolls.



MEC20119

W	D	Order No.	UP
265	60	05.040.058.1	1 unit



MEC20047

### FOC 19" excess cable drawer, 1 U

- For storing excess fiber optic cable.
- Pull-out.
- Cables can be fastened with Velcro.

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

- **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 unit.
  - 1 x drawer.

- **How supplied**
  - In sets.

- **Note**
  - Please also order mounting material for front plates and Velcro rolls.



MEC20099

W	H	D	Order No.	UP
483	44	350	05.040.047.X	1 set



MEC20044

### Excess fiber optic cable storage

- For orderly cable routing of Fiber optic cables in Miracel rack (from B 800 mm).
- For storing excess cable.

- **Material / Finish**
  - Base plate: powder-coated texture.
  - Cable routing head: polyamide, black.

- **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 base plate.
  - 1 x cable routing head.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.



MEC20146

U	Order No.	UP
2	05.040.041.X	1 set



MEC20038

### Universal cable routing bracket

- Used for extrusion distance (from front) 123 mm and 73 mm.
- For organized cable management.
- Open version, no threading.
- Mounting on the external side of the 19" extrusion.
- Any installation position selectable.

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

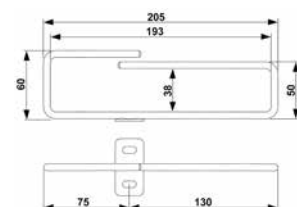
- **Finish**
  - Zinc-passivated.

- **Scope of delivery**
  - 4 x cable routing brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.



MEC20072



MEC20106

W <sub>Rack</sub>	For rack type	Order No.	UP
from 800	MIR2 / DCM	05.040.220.9	4 Stk



MEC20039

### Square cable routing bracket

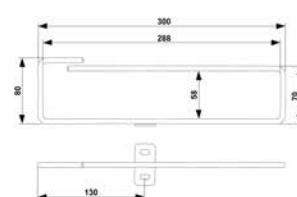
- For orderly cable management.
- Open version, no threading.
- Mounted on the external side of the 19" extrusion.
- Any installation position selectable.
- For high cable density.

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

- **Finish**
  - Zinc-passivated.

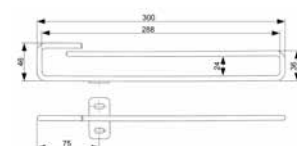
- **Scope of delivery**
  - 4 x square cable routing brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.



MEC20107

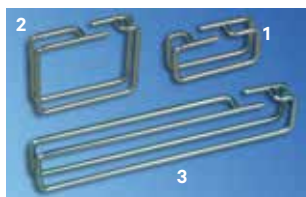
Type 1



MEC20116

Type 2

W <sub>Rack</sub>	Type	For rack type	Order No.	UP
from 800	Type 1	MIR2 / DCM	05.040.221.9	4 units
from 700	Type 2	MIR2 / DCM	05.040.222.9	4 units
600	Type 2	Smaract	05.040.222.9	4 units



MEC20035

## MIR2/DCM Cable routing bracket, flexible

- Enables flexible and organized cable routing.
- Can be easily installed in various positions within the rack.
- Open version, no threading.

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

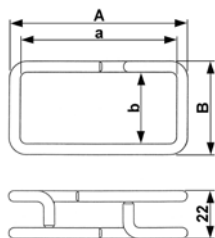
- **Finish**
  - Zinc-passivated.

- **Scope of delivery**
  - 10 x cable routing brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.



MEC20065



MEC20108

A	a	W	w	Model	Order No.	UP
82	72	43	33	Fig.1	05.040.231.9	10 units
222	212	30	20	Fig.3	05.040.232.9	10 units
102	92	82	72	Fig.2	05.040.233.9	10 units



ELM00117

## Square cable routing bracket

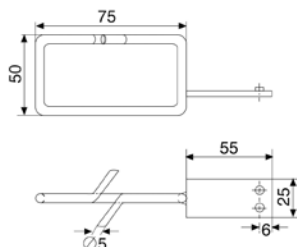
- For organized cable management.
- Open version, no threading.
- Mounted on the external lateral T-slot of the 19" extrusion.
- Any installation position selectable.

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

- **Finish**
  - Zinc-passivated.

- **Scope of delivery**
  - 4 x cable routing brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.



ELM00106

For rack type	Order No.	UP
DoubleProRack	05.040.226.9	4 units



MIR00564

## Cable routing bracket

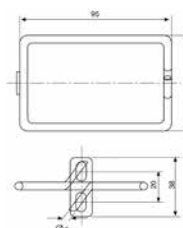
- For organized cable management.
- Open version, no threading.

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

- **Finish**
  - Zinc-passivated.

- **Scope of delivery**
  - 4 x cable routing brackets.
  - 1 x Mounting kit.

- **How supplied**
  - In sets.



MEC00122

Model	For rack type	Order No.	UP
95 x 60	MIR2 / DCM	05.040.225.9	4 units



ELM00028

## Section support bracket

- Ideal for vertical routing and reducing cabling strain.
- Open version, no threading.
- Mounted on the external lateral T-slot of the 19" extrusion.
- Any installation position selectable.
- From rack width 600 mm.

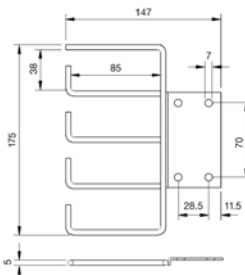
- **Material / Finish**
  - Round steel, d = 5 mm, zinc-passivated.

- **Scope of delivery**
  - 2 x section support brackets.

- **How supplied**
  - In sets.

- **Note**
  - Please also order the appropriate mounting material.

### Z56-1/FH



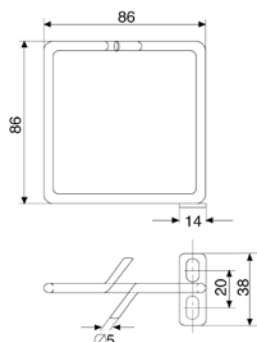
ELM00029

Model	Order No.	UP
MIR2 / DCM / Smaract / DPR	01.117.033.7	2 units

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		



MIR00183



ELM00057

### Cable routing bracket, square

- For organized cable management.
- Open version, no threading.
- Mounted on the external lateral T-slot of the 19" extrusion.
- Any installation position selectable.
- From rack width 800 mm.

#### ■ Finish

- Zinc-passivated, Zn 10c, white.

#### ■ Scope of delivery

- 4 x vertical cable routing brackets.
- 1 x Mounting kit.

#### ■ How supplied

- In sets.

W <sub>Rack</sub>	Model	For rack type	Order No.	UP
from 800	86 x 86	Miracel 2 / DCM	05.040.224.9	4 units



ELM20008



ELM20007

### Cable routing ring

- For organized cable management.
- Open version, no threading.
- Secured on the T-slots of the vertical extrusions.
- Any installation position selectable.

#### ■ Material / Finish

- PA 6, GF 15, black, UL 94-HB.

#### ■ Scope of delivery

- 5 x cable routing rings.
- 1 x Mounting kit.

#### ■ How supplied

- In sets.

Model	For rack type	Order No.	UP
54 x 118 mm	MIR2 / DCM / Smaract	01.312.207.9	5 units



MEC20185

### Quick-Strip ties for T-slot Tool-less mounting

- Quick tool-less securing.
- For bundling cables.
- Can be unfastened and reused.
- For organized cable management.
- Can be fitted into T-slots in any position.

#### ■ Material

- Polyethylene and nylon.
- F.R.T., UL-94 HB.

#### ■ Color

- Black.

#### ■ Scope of delivery

- 10 x Quick-Strip Velcro ties.

#### ■ How supplied

- In sets.



MEC20186

For rack type	Order No.	UP
MIR2 / DCM	00.218.506.0	1 set



MEC20187

### Quick-Clamp plastic cable routing bracket for T-slot mounting without tools

- Quick tool-less securing.
- For organized cable management.
- Open version, no threading.
- Secures T-slots in any position.

#### ■ Material

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

#### ■ Color

- Black.

#### ■ Scope of delivery

- 10 x plastic cable routing brackets.

#### ■ How supplied

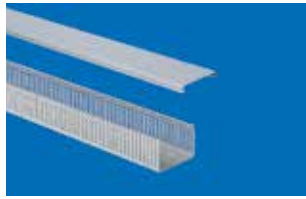
- In sets.



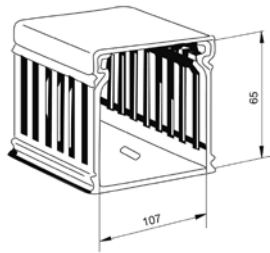
MEC20188

For rack type	Order No.	UP
MIR2 / DCM	00.218.505.0	1 set

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		



ELM00004



ELM00052

## Cable duct

- Ideal for organized and covered cable management of jumper cables.

### Material

- Hard PVC.

### Finish

- Stone-grey RAL 7030.

### Scope of delivery

- 1 x cable duct with cover.
- 1 x Mounting kit.

L	Order No.	UP
2000	01.117.098.3	1 unit



MEC20158

## Cable routing ring

- For organized cable management.
- Dimensions:  
Exterior 61 mm x 42.5 mm.  
Interior 52 mm x 23 mm.

### Material / Finish

- Cable support: PPO, similar to RAL 7035 light-grey.
- Soft rubber extrusion: EPDM, similar to RAL 7021 dark-grey.

### Scope of delivery

- 10 x cable routers

### How supplied

- In sets.

### Note

- Please also order the appropriate mounting material.

Model	Order No.	UP
Screw-on	05.040.113.9	10 units



MEC20048



MEC20147

## Velcro rolls (by the meter)

- For strain-free fastening and bundling of Cu and fiber optic cables.
- Velcro rolls can be cut to any required length.

### Material / Color

- Black, One-Wrap fastener.
- F.R.T., UL 94-V2.
- Blue: One-Wrap fastener.

### Scope of delivery

- 1 meter or 25 meter Velcro rolls.

### How supplied

- Sold by the meter.

W	L	Model	Order No.	UP
16	1000	Black	05.040.060.9	1 meter
16	1000	Blue	05.040.061.9	1 meter
16	25000	Black	05.040.065.9	25 meters
16	25000	Blue	05.040.066.9	25 meters



ELM00049



ELM00050

## Cable band clip

- For organized cable management.
- For securing harnesses and cables with large cross sections.
- Quick and easy mounting.
- Clips into T-slots in any position.
- Includes releasable clip.

### Material

- PA 6.6, black, UL 94-V0.

### Scope of delivery

- 20 units.

### How supplied

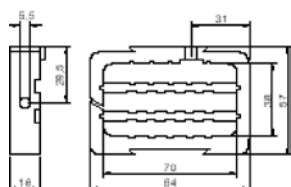
- In sets.

Order No.	UP
01.240.548.9	20 units





MEC20048



MEC20147

## Cable clamping frame

- For organized cable management.
- Open version, no threading.
- Cross-section for cable routing, variable with removable routing ribs.
- Can be expanded by adding on further cable clamping frames.
- Mounting options: lengthwise or across the width.

### Material

- Polypropylene, black.

### Scope of delivery

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

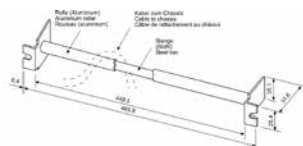
### How supplied

- In sets.

Order No.	UP
01.113.153.9	1 unit



TEL00034



TEL00051

## Cable support bar

- For 19" racks and enclosures.
- Reduces the cable load on slot-in.
- Orders cabling.
- Prevents cable-slack.

### Material

- Sheet steel, 1.5 mm.

### Scope of delivery

- 1 x cable support bar.

Order No.	UP
05.043.327.9	1 unit

### Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Insertion depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

### Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds

## Vertiv™ Knürr® Fan Units

### Features

#### CoolBlast®

- Modular construction for varying heat loads; different designs available.
- Top-mounting fan and 19-fan unit available.
- Special protection grid keeps pressure losses to a minimum and reduces noise levels.
- Energy-efficient speed-controlled design also available.

#### Silent top-mounting fan

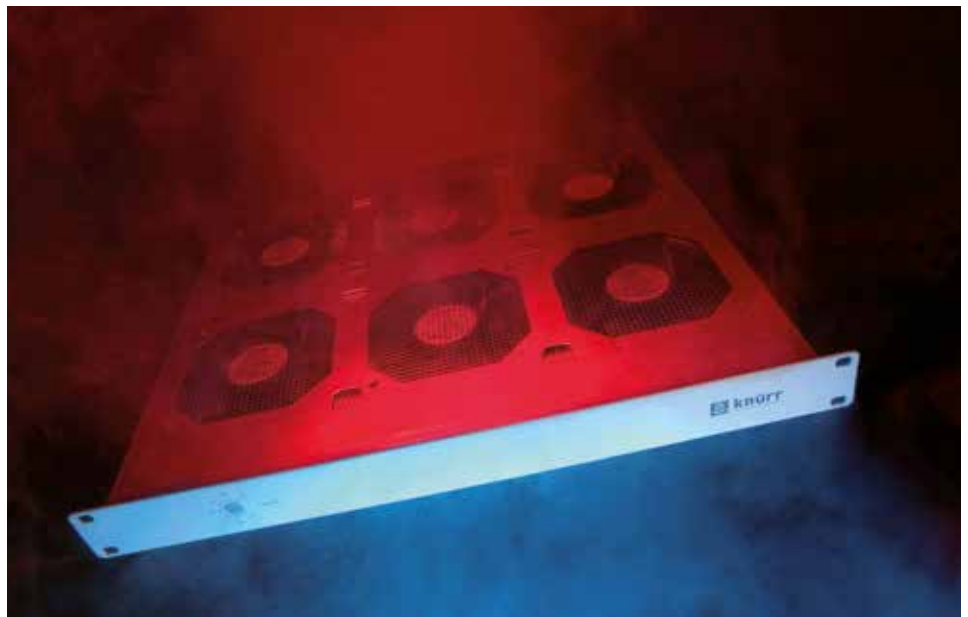
- Minimal noise level for use in office environment.
- Provides forced rack cooling.

#### Filter fan

- Protection class IP54.
- Filter can be replaced quickly and easily.
- Can be used to draw or push air.

**The ever-increasing power losses of electronic modules make for high demands on effective cooling. Large air-flow volumes ensure secured heat dissipation. The packing density of the electronic equipment in racks and enclosures is also increasing.**

The sharp rise in the price of electricity has resulted in energy efficiency gaining importance and environmental concerns increasingly become a prominent decision-making factor. Consequently, the use of speed-controlled fan units is rising. The additional costs generally prove to be a worthwhile investment.







LUF20203



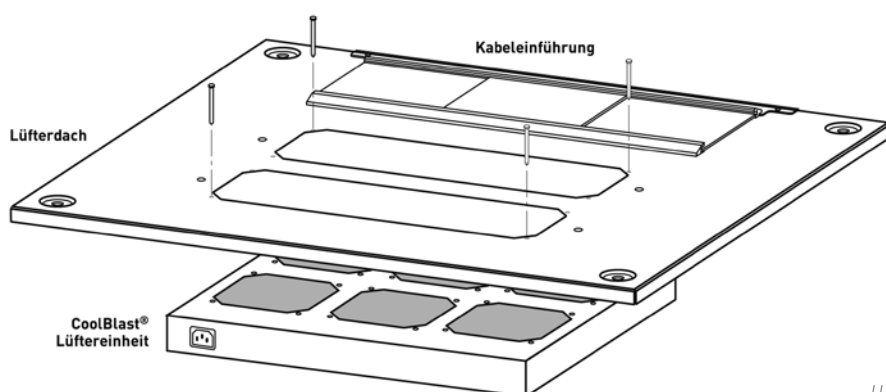
LUF20205



LUF20124

## Vertiv™ Knürr® CoolBlast® Fan Unit for Cover Panel Installation Unregulated and thermostat-controlled

- Provides powerful rack cooling.
  - Suitable for retrofitting in cover panel of MIR2 / DCM rack.
  - DC versions and 115 VAC versions upon request (see Vertiv Knürr CoolBlast® fan inserts).
  - Thermostat-controlled model: Fan function (ON/OFF) thermostat-controlled; setting range from 0° to + 60° C.
- **Scope of delivery**
    - 1 x CoolBlast fan unit.
    - 1 x mains cable, 3 m with safety plug (230 VAC).
    - 1 x Mounting kit.
    - 1 x Operating instructions.
  - **How supplied**
    - Assembled, wired and tested.
  - **Note**
    - Please also order corresponding mains cable.
- **Material**
    - Enclosure: sheet steel, high-grade steel grid.
  - **Finish**
    - Zinc-passivated.
  - **Compliance**
    - CE marking compliant with Low Voltage Directive 73/23/EEC; EMC directive 89/366/EEC



LUF20175

Name	Model	Electrical connection	P(W)	V' (m³/h)	ΔP(Pa)	p(dB(A))	Order No.	UP
CoolBlastT 230V 3-piece		207...253 VAC; 50/60 Hz	45	495	74	45.2	<b>03.027.301.1</b>	1 unit
CoolBlastT 230V 6-piece		207...253 VAC; 50/60 Hz	90	990	74	48.8	<b>03.027.302.1</b>	1 unit
CoolBlastT 230V 2-piece	Thermostat	207...253 VAC; 50/60 Hz	30	330	74	43.4	<b>03.027.310.1</b>	1 unit
CoolBlastT 230V 3-piece	Thermostat	207...253 VAC; 50/60 Hz	45	495	74	45.2	<b>03.027.311.1</b>	1 unit
CoolBlastT 230V 6-piece	Thermostat	207...253 VAC; 50/60 Hz	90	990	74	48.8	<b>03.027.312.1</b>	1 unit



LUF20160



LUF20161



LUF20124

## Vertiv™ Knürr® CoolBlast® Fan Unit for Cover Panel Installation speed-controlled

- Provides powerful rack cooling.
- Suitable for retrofitting in top cover of MIR2 / DCM rack.
- DC version upon request (see CoolBlast fan inserts).
- Settable reference temperature (20° to 55° C).
- Speed control, 30 to 100 %, if sensor fails, 100 % rotation.
- Individual fan monitoring.
- Potential-free common alarm output for excess temperature and fan failure.
- Visual status display for O.K., excess temperature and fan failure.
- Acoustic warning inclusive reset button.

### Material

- Enclosure: sheet steel, high-grade steel grid.

### Finish

- Zinc-passivated front cover plate, powder-coated, smooth in RAL 7035 light-grey.

### Compliance

- CE marking compliant with Low Voltage Directive 73/23/EEC; EMC directive 89/366/EEC.

### Scope of delivery

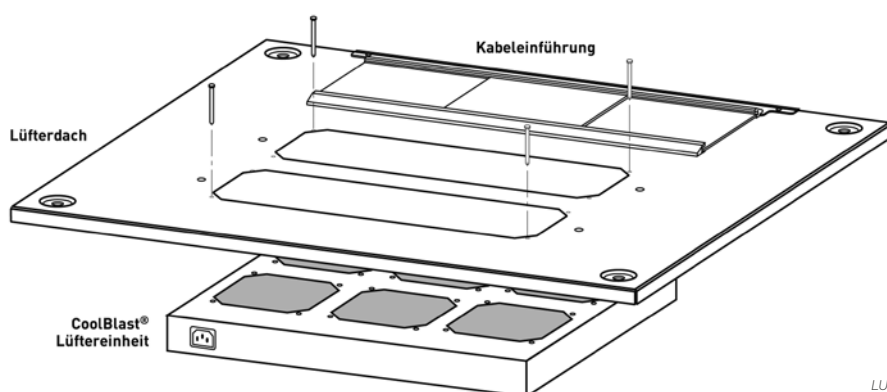
- 1 x CoolBlast fan unit.
- 1 x sensor cable, 2 m (plug-in).
- 1 x signal cable, 2 m (plug-in).
- 1 x mains cable, 3 m with safety plug (230 VAC).
- 1 x Mounting kit.
- 1 x Operating instructions.

### How supplied

- Assembled, wired and tested.

### Note

- Please also order specific mains cable.



LUF20175

Name	Model	Electrical connection	P(W)	V' (m³/h)	ΔP(Pa)	p(dB(A))	Order No.	UP
CoolBlastT 230V 3-piece	Regulated SP	100..253 VAC; 50/60 Hz	25	553	68	49.6	<b>03.027.321.1</b>	1 unit
CoolBlastT 230V 6-piece	Regulated SP	100..253 VAC; 50/60 Hz	48	1106	68	53.3	<b>03.027.322.1</b>	1 unit
CoolBlastT 230V 3-piece	Regulated HP	100..253 VAC; 50/60 Hz	32	711	173	55.8	<b>03.027.324.1</b>	1 unit
CoolBlastT 230V 6-piece	Regulated HP	100..253 VAC; 50/60 Hz	62	1422	173	59.1	<b>03.027.325.1</b>	1 unit

#### Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Usable depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

#### Conversion:

1 mm = 0.03937 inch
1 kg = 2.2046 pounds

SP = Standard Performance	V' = Air-flow volume (m³/h)
HP = High Performance	ΔV' = Air-flow volume loss (%)
UP = Ultra High Performance	ΔP = Pressure increase (Pa)
n = Number of fans	I nom = Nominal current (A)
W = Power consumption	I max = Residual current (A)
V = Voltage (400V = 3-phase)	p = Sound pressure (dB(A))
	distance from the rack 1 m (600 mm x 600 mm; raised cover)



LUF20125



LUF20139

## 19" Vertiv™ Knürr® CoolBlast® Fan Unit

### Unregulated and thermostat-controlled

- Fan unit for vertical ventilation of modules in 19" racks.
- Chassis rails are recommended for mounting. Chassis rails are required with 6-piece CoolBlast (use chassis runner, adjustable depth).
- Thermostat-controlled model:  
Fan function (ON/OFF) thermostat-controlled; setting range from 0° to + 60° C.

#### ■ Material

- Sheet steel, high-grade steel grid.

#### ■ Finish / Color

- Enclosure zinc-passivated.
- Front cover plate, powder-coated, smooth in RAL 7035 light-grey.

#### ■ How supplied

- Assembled, wired and tested.

#### ■ Compliance

- CE marking compliant with Low Voltage Directive 73/23/EEC; EMC directive 89/366/EEC.

#### ■ Scope of delivery

- 1 x CoolBlast fan unit, packed with operating instructions.
- 1 x connection cable, 2 m; Euro power plugs and sockets.

#### ■ Note

- Please also order specific mains cable.

Name	W	H	D	kg	n	Electrical connection	P(W)	V' (m³/h)	ΔP(Pa)	p(dB(A))	Order No.
CoolBlast 230V 3-piece, thermostat	440	43,6	230	3	3	207 ... 253VAC; 50/60Hz	45	495	74	45,2	<b>03.027.011.1</b>
CoolBlast 230V 6-piece, thermostat	440	43,6	390	6	6	207 ... 253VAC; 50/60Hz	90	990	74	48,8	<b>03.027.012.1</b>
CoolBlast 115V 3-piece, thermostat	440	43,6	230	3	3	103,5 ... 126,5VAC; 50/60Hz	44	576	88	47,3	<b>03.027.014.1</b>
CoolBlast 115V 6-piece, thermostat	440	43,6	390	6	6	103,5 ... 126,5VAC; 50/60Hz	88	1152	88	50,8	<b>03.027.015.1</b>
CoolBlast 24V 3-piece SP	440	43,6	230	2,5	3	12...27 VDC	23	553	68	49,6	<b>03.027.031.1</b>
CoolBlast 24V 6-piece SP	440	43,6	390	5	6	12...27 VDC	46	1106	68	53,3	<b>03.027.032.1</b>

## Technical data for Axial Single Fan

	Vertiv Knürr CoolBlast®	Vertiv Knürr CoolBlast	Vertiv Knürr CoolBlast	Vertiv Knürr CoolBlast	Vertiv Knürr CoolBlast
Item number	01914.070.9	01914.075.9	01914.050.9	01914.051.9	01914.0519-2
Dim: L x W x H	119 x 119 x 38	119 x 119 x 38	119 x 119 x 38	119 x 119 x 38	119 x 119 x 38
Max. volume flow, free blowing:	184.2 m³/h	237 m³/h	192 m³/h	165 m³/h	120 m³/h
Voltage	24 VDC	24 VDC	115 VAC	230 VAC	230 VAC
Frequency			50 Hz	50 Hz	50 Hz
Power consumption	7.4 W	11 W	14.5 W	15 W	7.5 W
Noise, free blowing	43 dB(A)	59 dB(A)	41 dB(A)	38 dB(A)	32 dB(A)
Bearing system	Ball bearing	Ball bearing	Ball bearing	Ball bearing	Ball bearing
Nominal speed	2950 min-1	4400 min-1	2900 min-1	2600 min-1	2100 min-1
Permitted ambient temp.	-10 °C to + 70 °C	-30 °C to + 55 °C	-40 °C to + 60 °C	-40 °C to + 60 °C	-40 °C to + 70 °C
Service life, L10 at 40°C	75,000 h	70,000 h	43,500 h	43,500 h	43,500 h
Compliance	CE, VDE	CE, VDE	CE, VDE	CE, VDE	CE, VDE
Use in fan unit:	03.027.021.1 03.027.022.1 03.027.051.1 03.027.052.1 03.027.321.1 03.027.322.1	03.027.024.1 03.027.025.1 03.027.054.1 03.027.055.1 03.027.324.1 03.027.325.1	03.027.014.1 03.027.015.1	03.027.011.1 03.027.012.1 03.027.301.1 03.027.302.1 03.027.310.1 03.027.311.1 03.027.312.1 02.111.180.9 05.010.306.1 01.243.428.1 03.028.110.8	02.111.181.9 05.010.307.1



LUF20128



LUF20140



LUF20054

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

- Fan unit for vertical ventilation of modules in 19" racks.
- Reference temperature can be set (20°C to 55°C).
- Speed control, 30 to 100%; if sensor fails, 100 % rotation.
- Individual fan monitoring.
- Potential-free alarm output for excess temperature alarm and fan failure.
- Visual status display for O.K., excess temperature and fan failure.
- Acoustic alarm can be switched off with switch.
- Chassis rails are recommended for mounting. Chassis rails are required with 6-piece CoolBlast (use chassis runner, adjustable depth).

### Material

- Sheet steel, high-grade steel grid.

### Finish / Color

- Enclosure zinc-passivated.
- Front cover plate, powder-coated, smooth in RAL 7035 light-grey.

### Compliance

- CE marking compliant with Low Voltage Directive 73/23/EEC; EMC directive 89/366/EEC.

### Scope of delivery

- 1 x CoolBlast fan unit, packed with operating instructions.
- 1 x sensor cable, 2 m (plug-in).
- 1 x signal cable, 2 m (plug-in).

Only with DC devices:

- 1 x connection cable, 2 m with connector plug and free ends.

Only with AC devices:

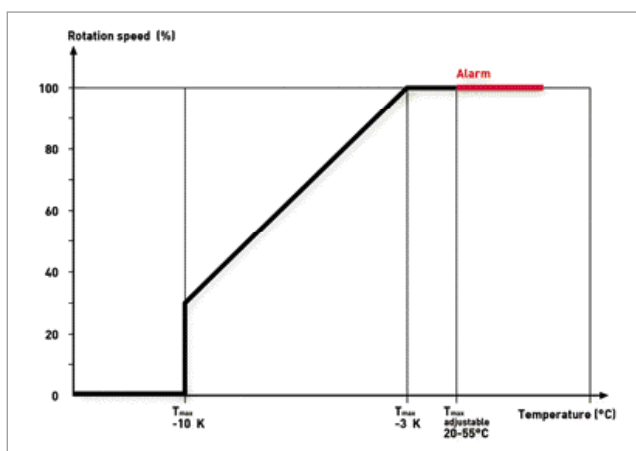
- 1 x connection cable, 2 m; Euro power plugs and sockets.

### How supplied

- Assembled, wired and tested.

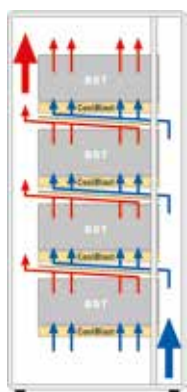
### Note

Further project-specific characteristics can be realized in line with standards.



LUF20179

Name	W	H	D	kg	n	Electrical connection	P(W)	V' (m³/h)	ΔP(Pa)	p(dB(A))	Order No.
CoolBlast 115/230V, 3-piece, controlled SP	440	436	230	3.2	3	100 to 253VAC; 50/60Hz	25	553	68	496	03.027.021.1
CoolBlast 115/230V, 6-piece, controlled SP	440	436	390	6.2	6	100 to 253VAC; 50/60Hz	48	1106	68	533	03.027.022.1
CoolBlast 115/230V, 3-piece, controlled HP	440	436	230	3.2	3	100 to 253VAC; 50/60Hz	32	711	173	55.8	03.027.024.1
CoolBlast 115/230V, 6-piece, controlled HP	440	436	390	6.2	6	100 to 253VAC; 50/60Hz	62	1422	173	59.1	03.027.025.1
CoolBlast 24/48V, 3-piece, controlled SP	440	436	230	3.1	3	20 to 60VDC	25	553	68	496	03.027.051.1
CoolBlast 24/48V, 6-piece, controlled SP	440	436	390	6.1	6	20 to 60VDC	48	1106	68	53.3	03.027.052.1
CoolBlast 24/48V, 3-piece, controlled HP	440	436	230	3.1	3	20 to 60VDC	32	711	173	55.8	03.027.054.1
CoolBlast 24/48V, 6-piece, controlled HP	440	436	390	6.1	6	20 to 60VDC	62	1422	173	59.1	03.027.055.1



LUF20156

### Vertiv™ Knürr® CoolBlast® – Air-flow Routing via Front Intake, 1 U

- The "front-intake unit" for the Vertiv™ Knürr® CoolBlast® fan delivers targeted cooling for module supports arranged on top of each other (heat sources).
- For Knürr CoolBlast slot-in unit 3- and 6 piece for front intake.
- Used as cooling baffle.
- Can be supplemented with front plate and filter mat.

#### Material

- Sheet steel.

#### Finish / Color

- Powder-coated texture, RAL 7035.
- Light-grey.

#### Scope of delivery

- 1 x air-flow guide.

#### How supplied

- Single items.

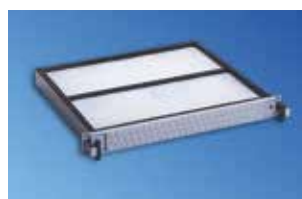


LUF20131



LUF20142

H	D	Model	Order No.	UP
436	230	For 3-piece	<b>03.027.094.1</b>	1 unit
436	390	For 6-piece	<b>03.027.095.1</b>	1 unit



LUF00205

### 19" Filter Unit, 1 U

- Suitable for use with CoolBlast slot-in unit.
- Adjusted to the respective recess depth.

#### Material

- Enclosure: sheet steel.
- Front cover plate: ABS (UL94 V-0).
- Handle: extruded aluminum.
- Filter: Viledon P 15/150.

#### Filter class

- G2.

#### Finish / Color

- Enclosure: powder-coated texture, RAL 9011 dark-grey.
- Front cover plate: RAL 7035, light-grey.
- Handle: powder-coated texture, RAL 5008 grey-blue.

#### Scope of delivery

- 1 x filter insert.
- 1 x filter.

#### How supplied

- Single items.

H	D	kg	Order No.	UP
436	282	2.0	<b>03.025.250.1</b>	1 unit
436	660	4.0	<b>03.025.253.1</b>	1 unit



LUF20136

### Vertiv Knürr CoolBlast Front Plate

- For use with air-flow guide for front intake.
- Can be retrofitted.

#### Material

- Sheet steel.

#### Finish / Color

- Powder-coated, RAL 7035.
- Light-grey, smooth.

#### Scope of delivery

- 1 x front plate.

#### How supplied

- Single items.

H	Order No.	UP
436	<b>03.027.097.1</b>	1 unit

Dimensions in mm:				Conversion:
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Usable depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		
SP = Standard Performance	V' = Air-flow volume (m³/h)			
HP = High Performance	ΔV' = Air-flow volume loss (%)			
UP = Ultra High Performance	ΔP = Pressure increase (Pa)			
n = Number of fans	I nom = Nominal current (A)			
W = Power consumption	I max = Residual current (A)			
V = Voltage	p = Sound pressure (dB(A)			
(400V = 3-phase)	distance from the rack 1 m (600 mm x 600 mm; raised cover)			



LUF20121



LUF20168

## CoolBlast® Dust/Particle Protection Solution 1: Filter Mat

- Used with CoolBlast® fan top cover.
- Simple filter cover preventing the ingress of dust when the fan stops (regulated or thermostat-controlled version available).
- For all top-cover sizes; filter and adhesive tape can be cut to the required length.

### Material

- Filedon (filter class G2)

### Scope of delivery

- 1 x filter.
- 1 x Adhesive tape.

### How supplied

- In sets.

Model	Order No.	UP
For 2, 3 and 6-piece fan unit	01.149.101.9	1 set



LUF20135

## Vertiv Knürr CoolBlast Filter for Front Intake

- For use with air-flow routing via front intake.
- Can be retrofitted; filter can also be replaced during operation.

### Filter class

- G2.

### Material

- Viledon K15/150.

### Scope of delivery

- 1 x filter.

### How supplied

- Single items.

W	D	Model	Order No.	UP
400	160	For 3-piece	03.027.098.1	1 unit
400	320	For 6-piece	03.027.099.1	1 unit



LUF00280

## Replacement Filter

- For 19" filter insert.

### Material

- Filter: Viledon P 15/150.

### Filter class

- G2.

### Scope of delivery

- 1 x filter.

### How supplied

- Single items.

D	Order No.	UP
282	03.025.246.9	1 unit
660	03.025.249.9	1 unit



LUF20057



LUF20058

## Filter Fan

- For specific use where hot spots occur.
- Also suitable for retrofitting, quick and easy.
- The filter mats provide high-level filtration, are easily exchanged and can be cleaned.
- These maintenance-free fans feature a long service life and low noise levels.
- Air-flow routing: blows into the rack (pre-set).
- Can be used to draw in or move air out.

### Material

- Heat-resistant ABS plastic, UL 94 V-0

### Color

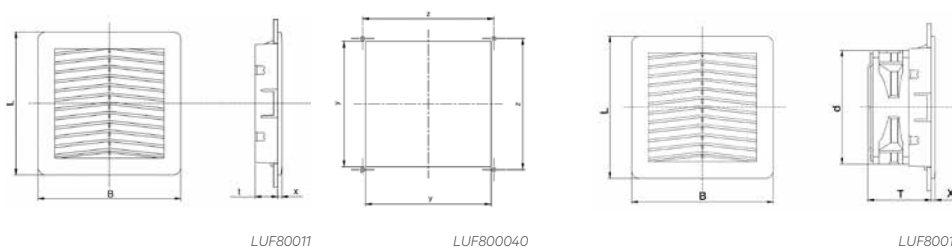
- RAL 7035 light-grey.

### Compliance

- CE marking

### Protection rating

- IP 54.



LxW	D/I/x	y/z	kg	Max. AF	El. conn.	L	G	N	Service life/40°	Model	Order No.	UP
150 x 150	71/120/5	125/131	0.812	57 m3/h	230V / 50/60Hz	20 W	43 dB(A)	2650/min	40,000 h	Filter fan	<b>03.026.501.1</b>	1 unit
204 x 204	90/120/5.7	177/185	1	90 m3/h	230V / 50/60Hz	20 W	43 dB(A)	2650/min	40,000 h	Filter fan	<b>03.026.502.1</b>	1 unit
250 x 250	113/172/6	223/230	1.690	240m3/h	230V / 50/60Hz	29 W	50 dB(A)	2800/min	40,000 h	Filter fan	<b>03.026.503.1</b>	1 unit
325 x 325	125/208/7	291/302	3.620	520m3/h	230V / 50/60Hz	67 W	63 dB(A)	2770/min	50,000 h	Filter fan	<b>03.026.504.1</b>	1 unit
150 x 150	24/5	125/131	0.140							Exit filter	<b>03.026.511.1</b>	1 unit
204 x 204	20.5/5.7	177/185	0.275							Exit filter	<b>03.026.512.1</b>	1 unit
250 x 250	25/6	223/230	0.440							Exit filter	<b>03.026.513.1</b>	1 unit
325 x 325	26/7	291/302	0.780							Exit filter	<b>03.026.514.1</b>	1 unit
150 x 150										Replacement filter mat	<b>03.026.521.9</b>	6 unit
204 x 204										Replacement filter mat	<b>03.026.522.9</b>	6 unit
250 x 250										Replacement filter mat	<b>03.026.523.9</b>	6 unit
325 x 325										Replacement filter mat	<b>03.026.524.9</b>	6 unit

Dimensions in mm:				Conversion:	
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch	
H = Height	d = Usable depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds	
D = Depth	L = Length	UP = Packaging unit			
SP = Standard Performance	V' = Air-flow volume (m³/h)				
HP = High Performance	ΔV' = Air-flow volume loss (%)				
UP = Ultra High Performance	ΔP = Pressure increase (Pa)				
n = Number of fans	I nom = Nominal current (A)				
W = Power consumption	I max = Residual current (A)				
V = Voltage (400V = 3-phase)	p = Sound pressure (dB(A) distance from the rack 1 m (600 mm x 600 mm; raised cover)				



LUF00237a

### Temperature Module

- For monitoring the inside temperature of the rack.
- Temperature display (+ 10°C to + 70°C).
- Alarm temperature set via potentiometer at the front.
- Visual alarm display (LED red).
- Alarm signaling via potential-free switching contact (1 changeover contact 250 VAC / 8 A).
- Power supply 230 V / 50 Hz.

#### Material

- Plastic.

#### Compliance

- CE marking compliant with Low Voltage Directive 73/23/EEC; EMC directive 89/336/EEC.

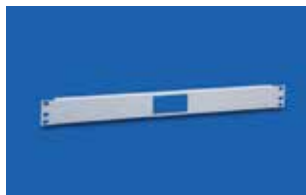
#### Scope of delivery

- 1 x Temperature module.
- 1 x Temperature sensor (3 m).

#### How supplied

- Assembled, wired and tested.

Order No.	UP
01.117.525.1	1 unit



LUF00256

### 19" Front Plate 1 U for Temperature Module

- For temperature module installation.

#### Material / Finish

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

#### Color

- RAL 7035 light-grey.

#### Scope of delivery

- 1 x 19" front plate.

Order No.	UP
01.117.526.1	1 unit



LUF00255

### Bracket for Temperature Module

- For non-standard temperature module installation, e.g., on the side of the 19" extrusion.

#### Material / Finish

- Aluminum, 2 mm, polished.

#### Scope of delivery

- 1 x bracket.
- 1 x Mounting kit.

#### How supplied

- In sets.

Order No.	UP
01.117.527.0	1 unit



LUF20000

### Thermostat

- For monitoring the inside temperature of the rack with respect to slot-in units and heating fans.
- Setting range: + 10°C to + 60°C.
- Switching temperature difference (hysteresis) 2 K.
- Contact type: 1 changeover contact.
- Sensor: thermo-bimetal.
- Contact rating: 230 VAC/10 A (heating), 5 A (cooling).
- Interference suppression: compliant with DIN 55014.

#### Material

- Plastic.

#### Protection rating

- IP 30.

#### Compliance

- CE marking compliant with Low Voltage Directive 73/23/EEC; EMC directive 89/336/EEC.

#### Dimensions

- 74 x 74 x 23 mm.

#### Scope of delivery

- 1 x thermostat.
- 1 x mounting bracket.
- 1 x Mounting kit.

Order No.	UP
01.113.384.3	1 unit

Dimensions in mm:				Conversion:
W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Usable depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		
SP = Standard Performance	V' = Air-flow volume (m³/h)			
HP = High Performance	ΔV' = Air-flow volume loss (%)			
UP = Ultra High Performance	ΔP = Pressure increase (Pa)			
n = Number of fans	I <sub>nom</sub> = Nominal current (A)			
W = Power consumption	I <sub>max</sub> = Residual current (A)			
V = Voltage	p = Sound pressure (dB(A))			
(400V = 3-phase)	distance from the rack 1 m (600 mm x 600 mm; raised cover)			