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NETcell
OPTIMIZED FOR USE AS A DATA CENTER

NETcell is the tailor-made suit among apra's 19" cabinet systems. Individually configurable and easily expandable, it can be adapted to almost any requirement. For example, the combination of a basic and a bayed system enables an especially flexible, space-saving design. The system is particularly convincing due to its unique, large-volume cable management system. Despite the design as an open rack, the NETcell system can be completely bulkheaded and enclosed in rows of cabinets, so that a highly efficient air conditioning is implemented.
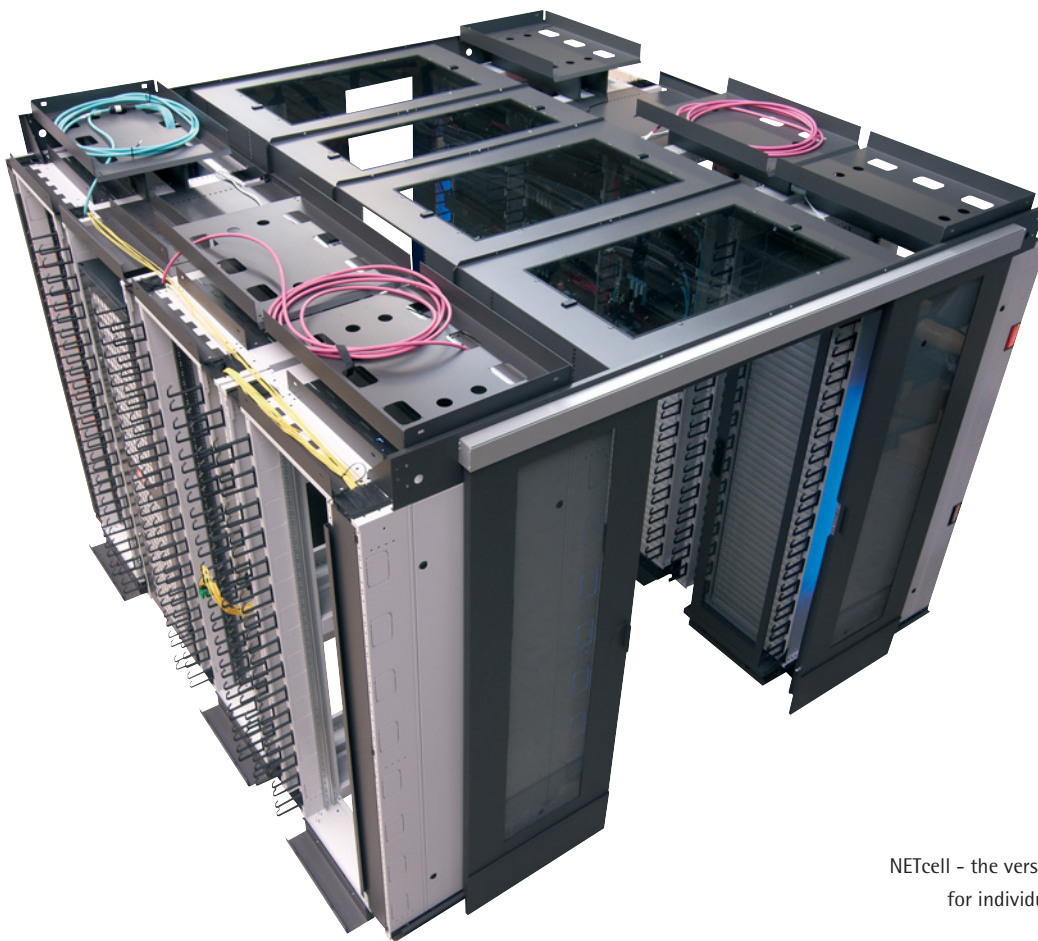
NETcell – the versatile rack system
for individual requirements

NETcell Highlights

completely demountable	Cable ducts for large-volume guidance of Data and power cables
individually configurable	
Basic system with integrated cable ducts over the entire cabinet heighte	Energy efficient Air conditioning through the use of enclosure components
Overlength trough (can be used as route system)	due to stable frame construction also suitable for high loads (1500 kg)
Modular cable trays for the separate routing of data and power cables	registered

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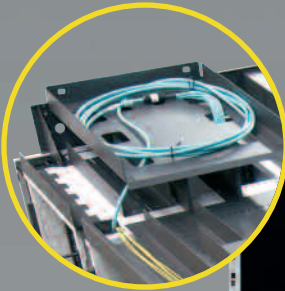
Overlength tray
For on-top cabling

Cable trough for
horizontal guiding of cable material

Radius limiter for
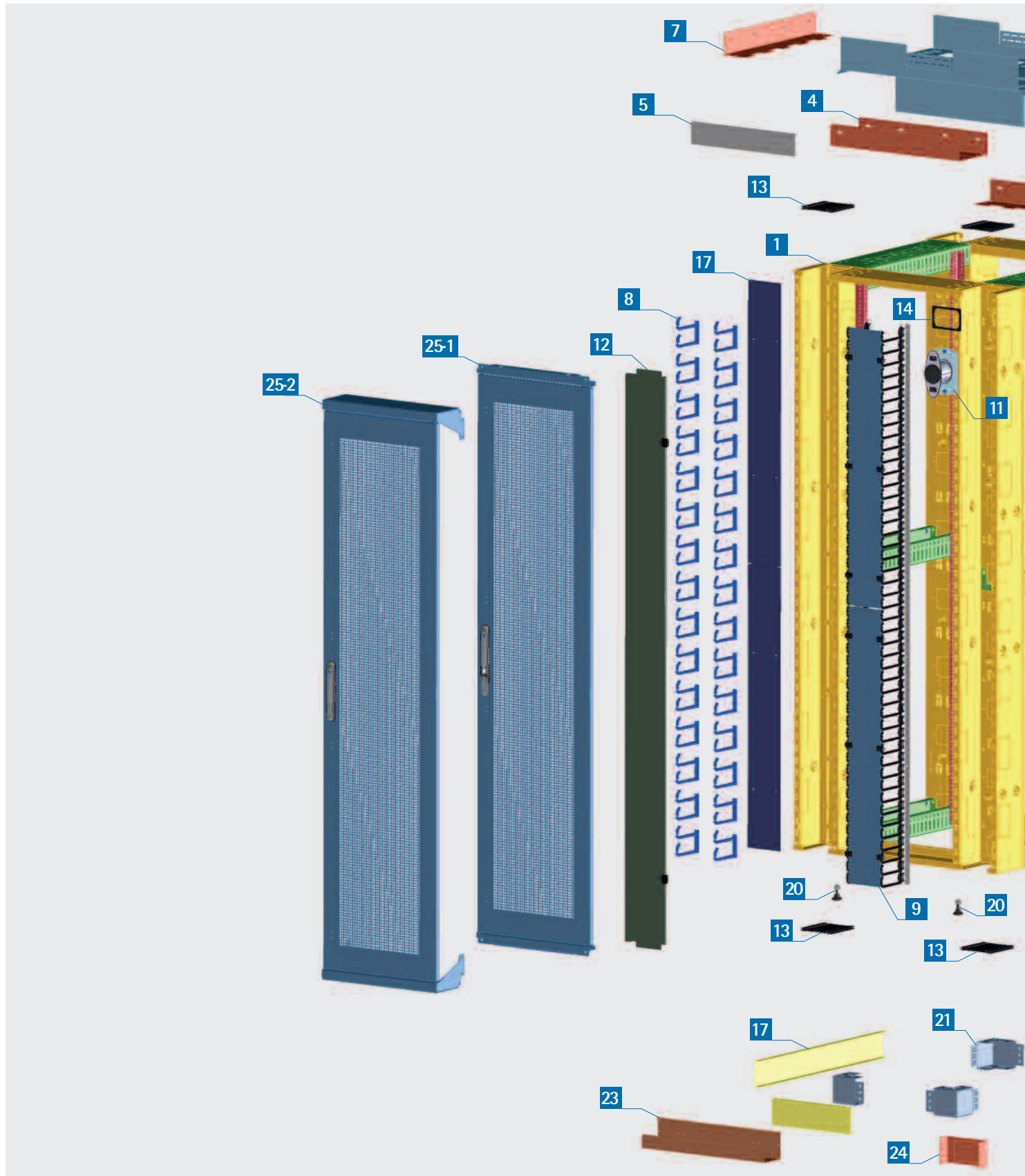cable management Inside
the vertical cable ducts

Flexible cable routing
Over cable trays

NETcell

completely dismountable,
flexible cable management,
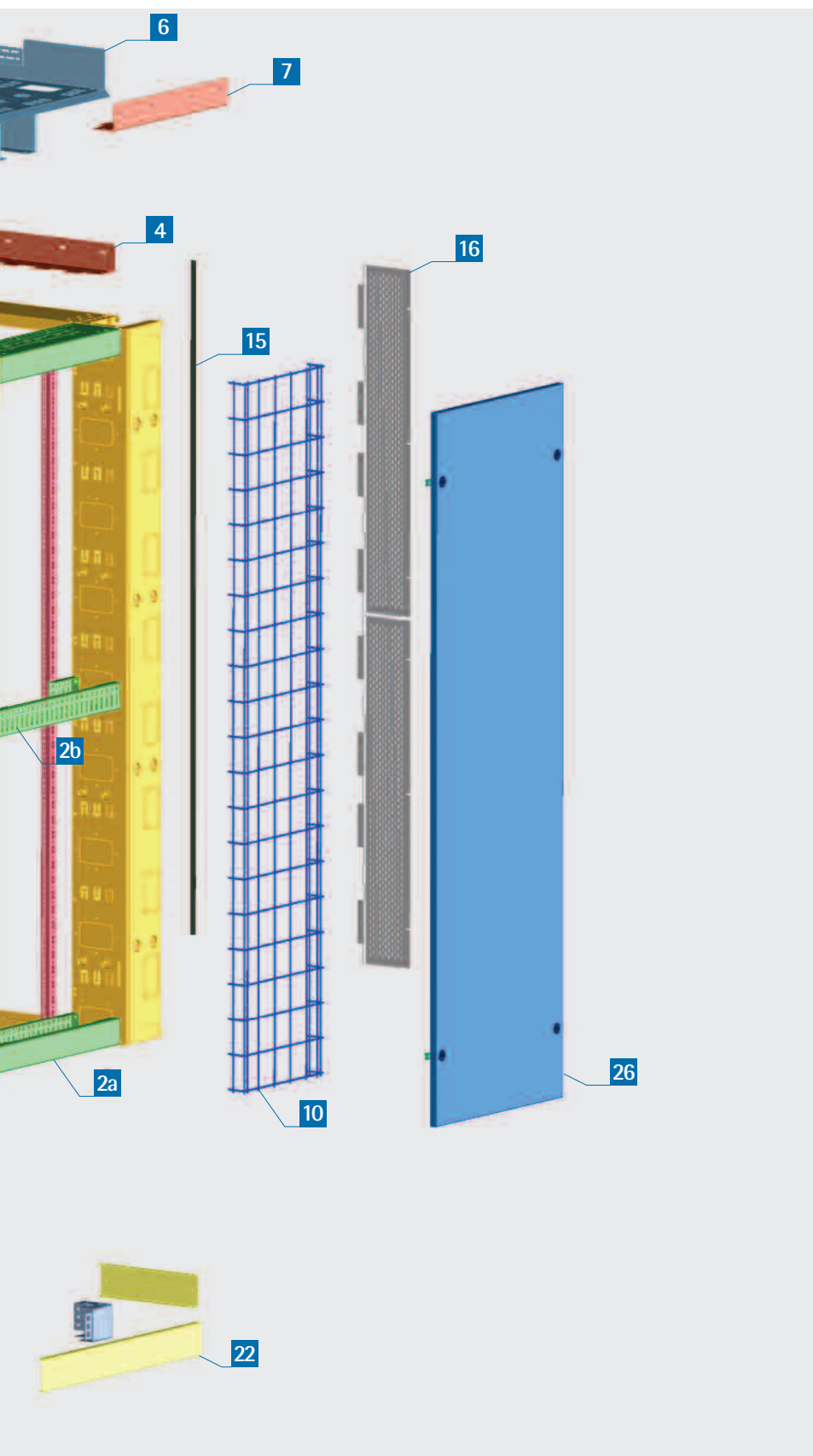payload up to 1500 kg,
utility model protected

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Configure your own cabinet system

Select the required cabinet components step by step:

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1a Basic system "900", dismountable

The cabinet system consists of two identical frames with integrated cable ducts, cross bars and a 19" extension level with end covers at the front.
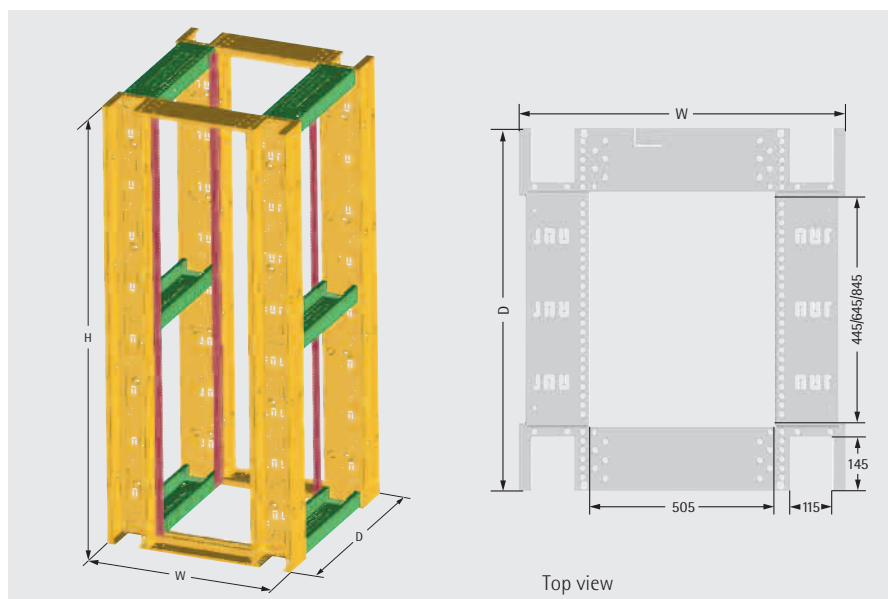
Basic system "900" consists of:
- frame with integrated cable ducts (2 ×)
- cross bars (cable tray) (6 ×)
- 19" extension (2 ×)
- end cover for 19" grid (2 ×)

Load capacity:
1500 kg (static)
Delivery:
mounted

Top view

Dimensions W x H mm	U	D mm	Finish	Order no.
900 x 2130	46	800	RAL 7035	583-908-12
900 x 2130	46	1000	RAL 7035	583-910-12
900 x 2130	46	1200	RAL 7035	583-912-12
900 x 2130	46	800	RAL 9005	583-908-82
900 x 2130	46	1000	RAL 9005	583-910-82
900 x 2130	46	1200	RAL 9005	583-912-82

1b Connector system "600", dismountable

The connector system consists of two identical frames, crossbars and 19" extension with end covers at the front.

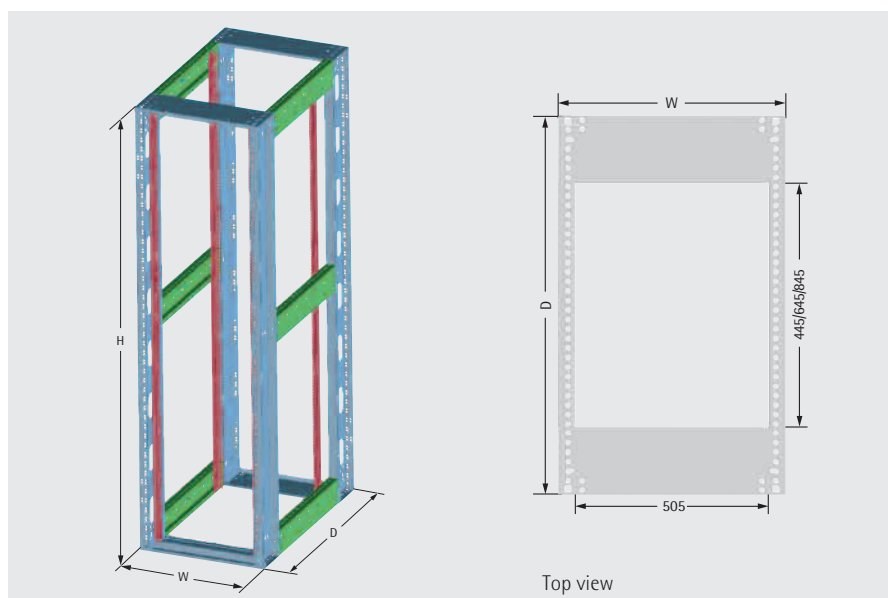**Connector System "600" consists of:**
- frame (2 ×)
- crossbars (6 ×)
- 19" extension (2 ×)
- end cover for 19" grid (2 ×)

Load capacity:
1500 kg (static)
Delivery:
mounted

Top view

| Dimensions W x H mm	U	D mm	Finish	Order no.
600 x 2130	46	800	RAL 7035	583-608-12
600 x 2130	46	1000	RAL 7035	583-610-12
600 x 2130	46	1200	RAL 7035	583-612-12
600 x 2130	46	800	RAL 9005	583-608-82
600 x 2130	46	1000	RAL 9005	583-610-82
600 x 2130	46	1200	RAL 9005	583-612-82

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2a Cable tray

- for cable routing
- for mounting between front and rear frame of the basic system
- H x W: 80 x 175 mm

Material:
sheet metal

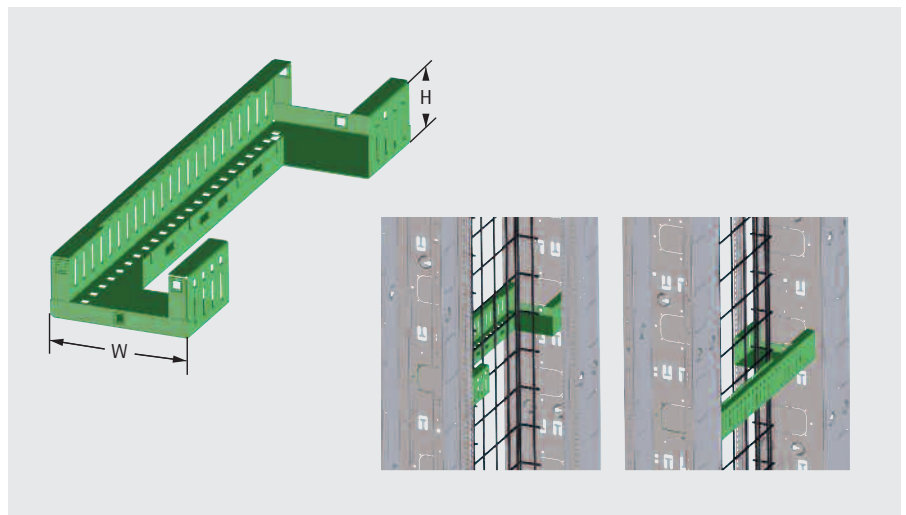| D mm	Finish	Order no.
800	RAL 7035	583-000-01
800	RAL 9005	583-005-01
1000	RAL 7035	583-000-69
1000	RAL 9005	583-005-69
1200	RAL 7035	583-000-02
1200	RAL 9005	583-005-02
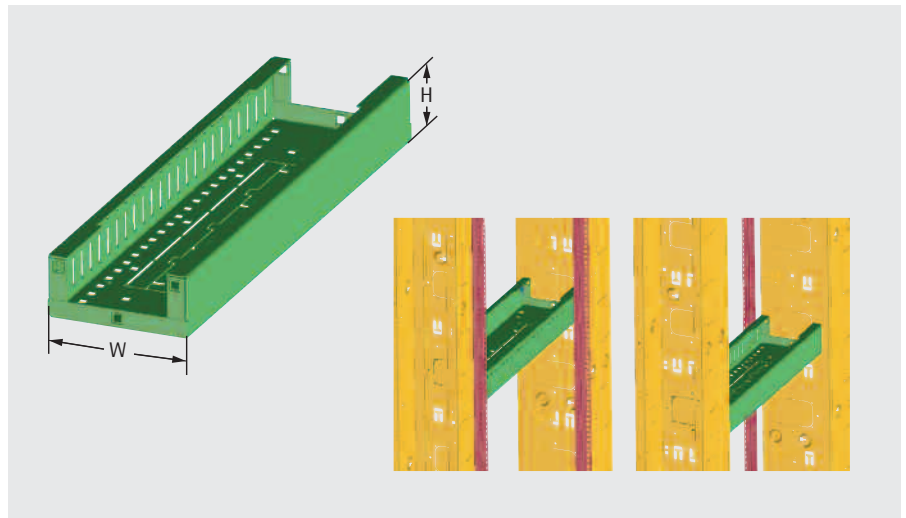
2b Cable tray for grid gutter

- for mounting in the middle area between the front and rear frame of the base system
- simple attachment of the grid gutter (Pos 10)
- allows fast and flexible cabling over the entire height of the system
- H x W: 80 x 175 mm

Material:
sheet metal

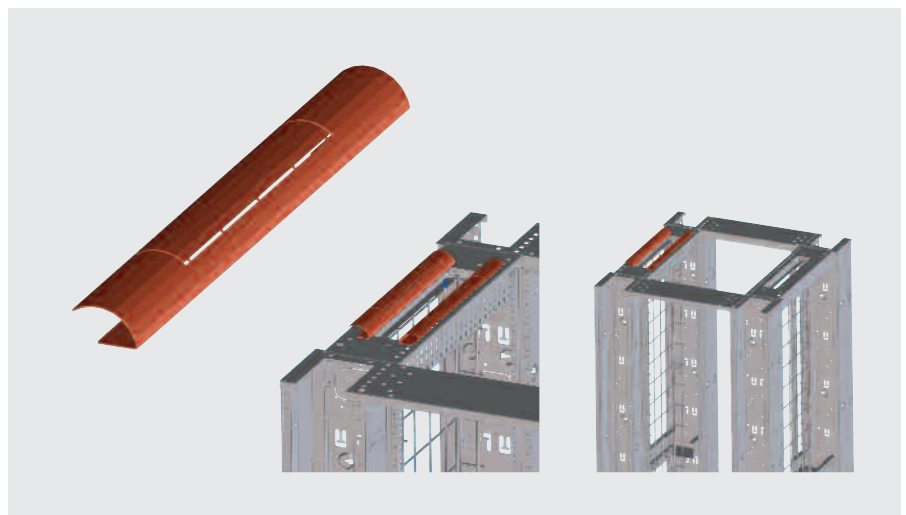| D mm	Finish	Order no.
800	RAL 7035	583-002-84
800	RAL 9005	583-005-99
1000	RAL 7035	583-002-81
1000	RAL 9005	583-005-97
1200	RAL 7035	583-002-83
1200	RAL 9005	583-005-93

3 Cable entry rail

- for defined cable entry (bending radius) from above into the basic system
- deflection radius r = 27 mm

Material:
sheet metal

Finish	Order no.
RAL 7035	583-002-76
RAL 9005	583-002-77

4 Cable routing angle bracket

- for basic and connector system
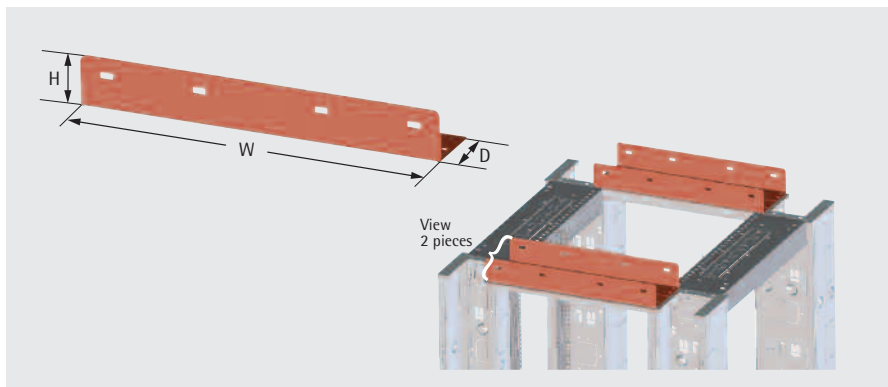- to set up a cable duct system on the cabinet system

Material:
sheet metal
Dimensions (H x W x D):
80 x 570 x 100 mm

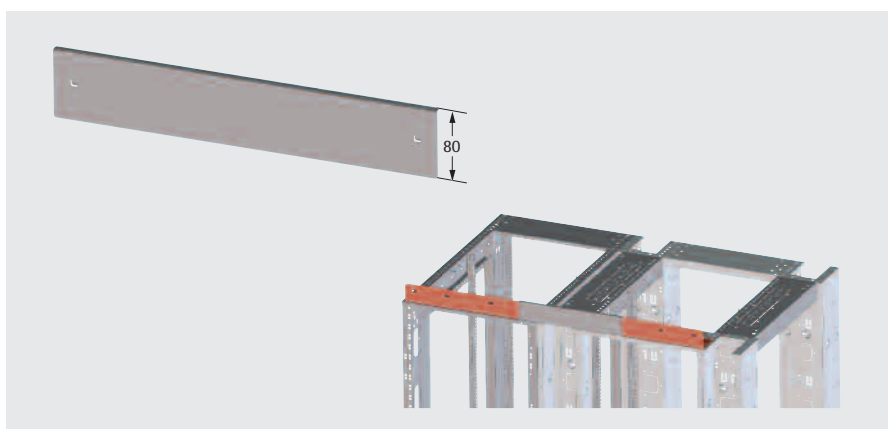| Finish	Order no.
RAL 7035	583-000-73
RAL 9005	583-005-73

5 Connecting cover for cable routing angle bracket

- for basic and connector system
- for installation in cabinet rows
- conceals space between two cable routing angle brackets on the front end of the systems

Material:
sheet metal

Finish	Order no.
RAL 7035	583-000-74
RAL 9005	583-005-74

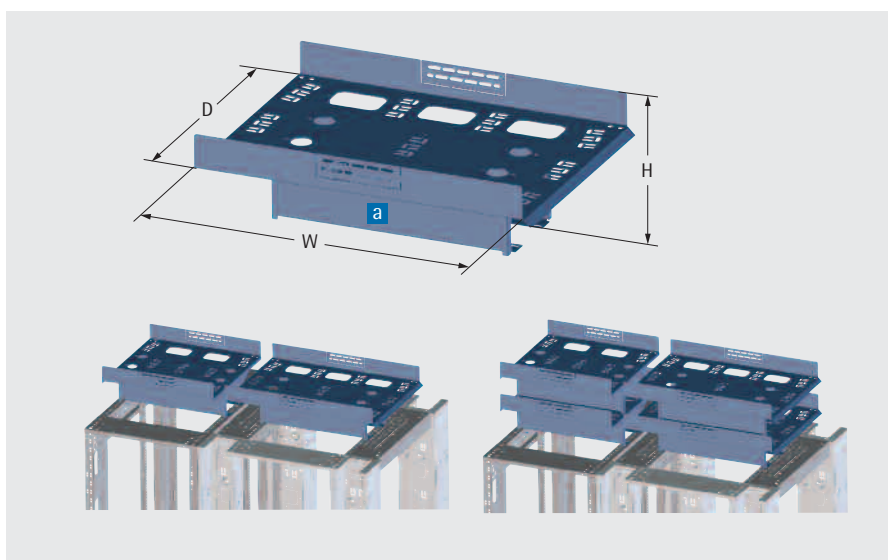## 6 Cable tray for excess length of cable

- for basic and connector system
- for storage of excess cable length or as trunking system for row install of cabinets
- suitable for accommodation of the cable tray [34] [a]

Material: sheet metal
Dimensions (H x W x D):
250 x 600 / 900 x 580 mm

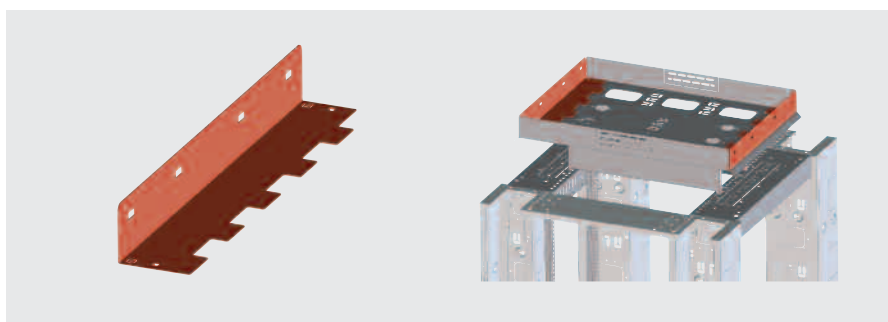| W mm	Finish	Order no.
900	RAL 7035	583-000-72
600	RAL 7035	583-000-94
900	RAL 9005	583-005-72
600	RAL 9005	583-005-94

7 End cover for excess cable tray

- for covering the excess cable tray on the front ends

Material:
sheet metal

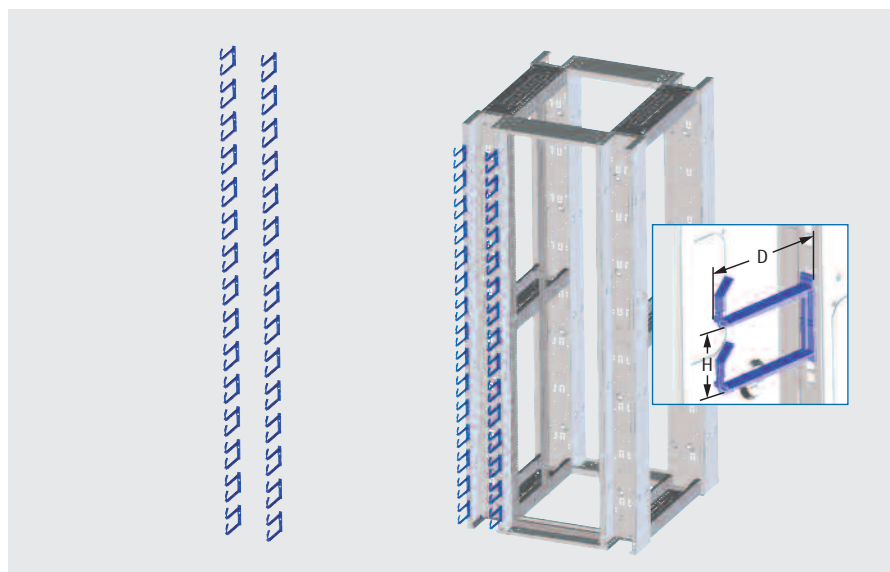| Finish	Order no.
RAL 7035	583-000-73
RAL 9005	583-005-73

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8 Cable clamp set

- for basic system
- to be clipped onto the front of the cable duct
- H x D: 55 x 115 mm
- set = 30 pieces (1 cable duct)

Material:
plastic, black

Order no.
583-001-12

9 Cable manager vertical 46 U

- for basic system
- with adapter rails for front mounting on cable duct
- temple height H = 44 mm (1 U), temple depth T = 138 mm
- Set contains 92 pieces of cable clamps, incl. adapter rails and cable duct flaps (corresponds to 1 cable duct)

Material:
adapter rails: steel sheet, cable ties: plastic (black)

Finish	Order no.
RAL 7035	583-004-47
RAL 9005	583-005-47
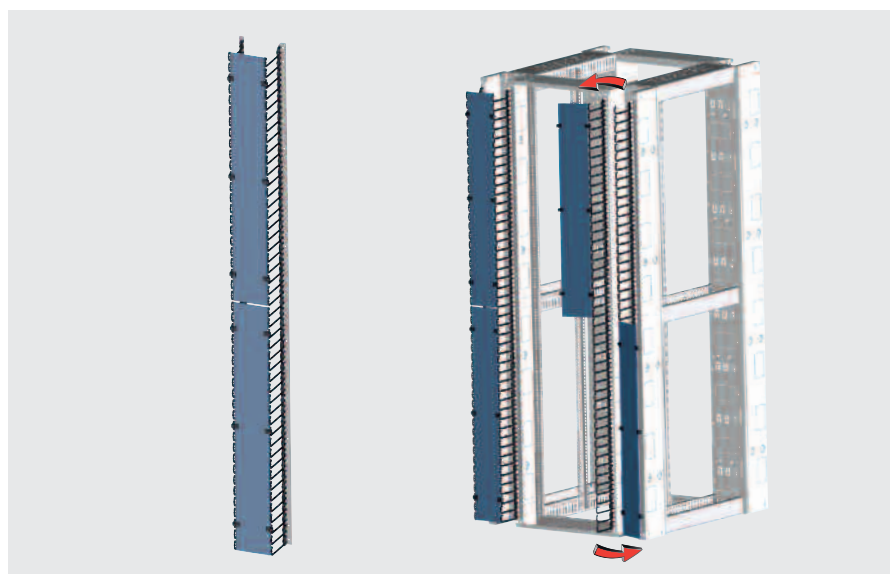
10 Grid gutter

- serves the structured and flexible cable routing in the rack
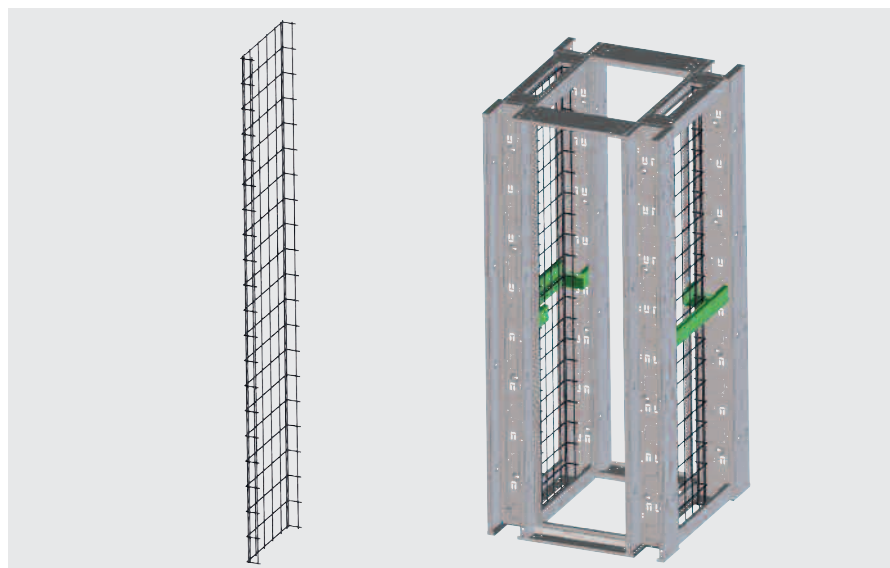- Mounting laterally in the base system over the entire cabinet height
- H = 2100 mm

Material:
metal, galvanised
Dimensions (H x W x D):
2100 x (200 / 300 / 400) x 60 mm

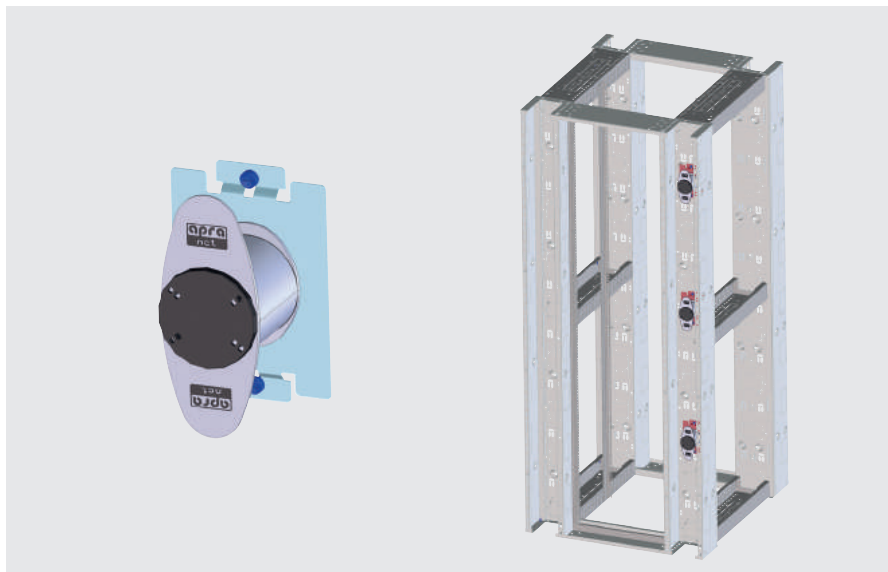| Description	Order no.
W = 200 mm	640-037-61
W = 300 mm	640-037-63
W = 400 mm	640-037-64
mounting set	640-037-80

11 Radius limiter

- for the structured and protected routing of fiber optic and copper cables in the cable ducts
- deflection radius r = 35mm

Material:
mounting plate: steel sheet, radius limiter: plastic (black)
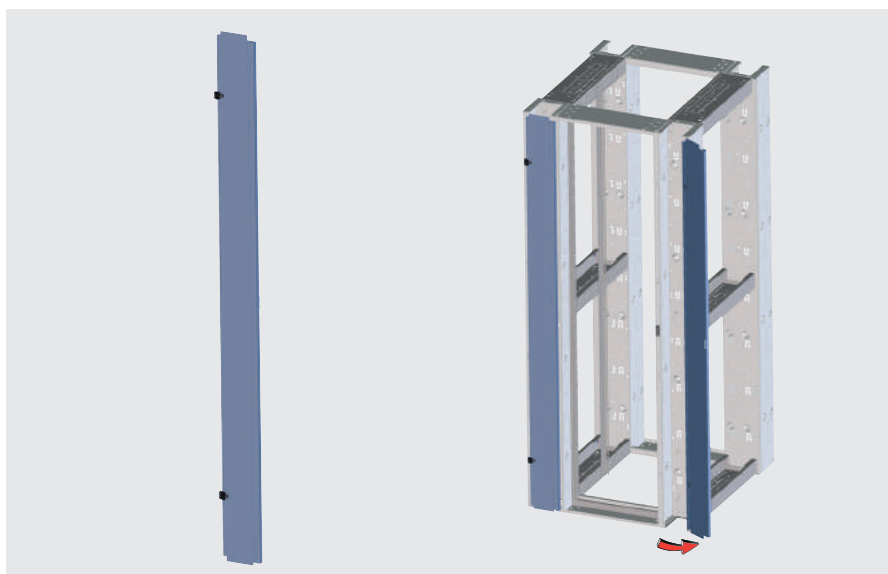
Order no.
583-002-66

12 Hinged panel

- for basic system, W = 900 mm
- for covering the cable duct
- with hinges for quick opening and closing (180°)

Material:
sheet metal

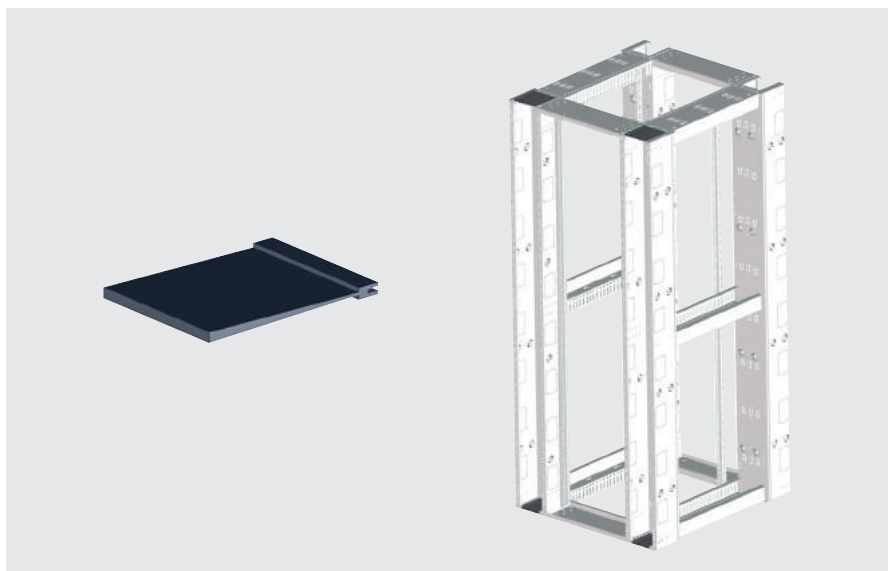| Finish	Order no.
RAL 7035	583-000-83
RAL 9005	583-005-83

13 Brush set for cable duct

- for basic system
- to be used on the top and bottom on the cable duct
- set = 8 pieces

Material:
plastic, black

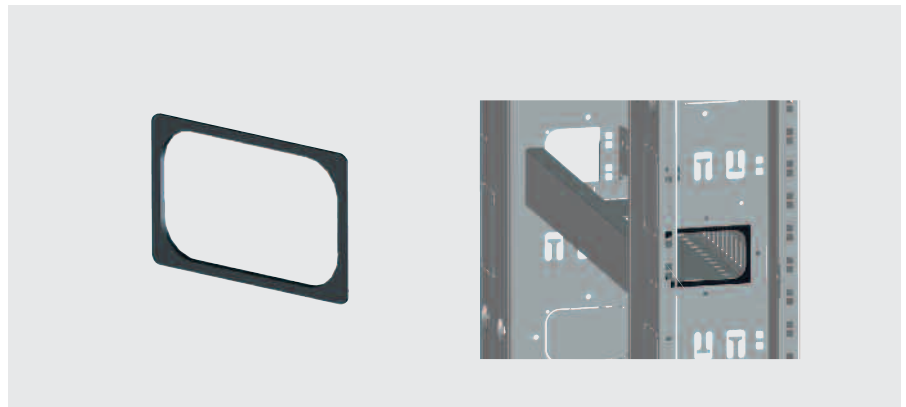| Order no. |
| --- |
| 583-001-15 |

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14 **Edge protection frame**

- for basic and connector system
- for circumferential mounting to the frame
- set = 10 pieces

Material:
black plastic, UL94 V-0
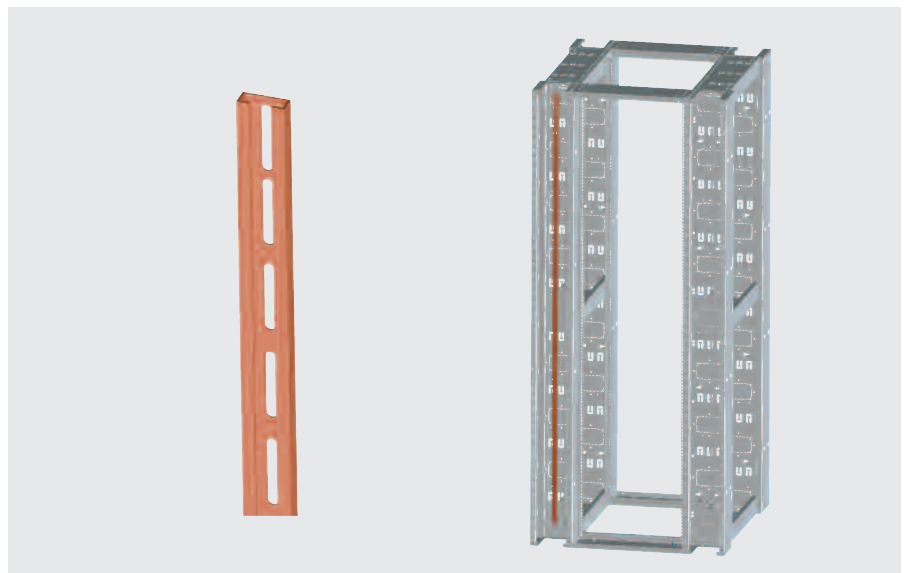
Order no.
583-001-10

15 **Universal guide rail for cable duct**

- for basic system
- mounting possible on all sides of the cable duct (max. 2 per side)
- for individual mounting of PDU, cable clamps etc.
- attachment of components with sliding nuts (4 pcs. included in scope of delivery)
- Length: 2 m

Material:
metal, galvanised

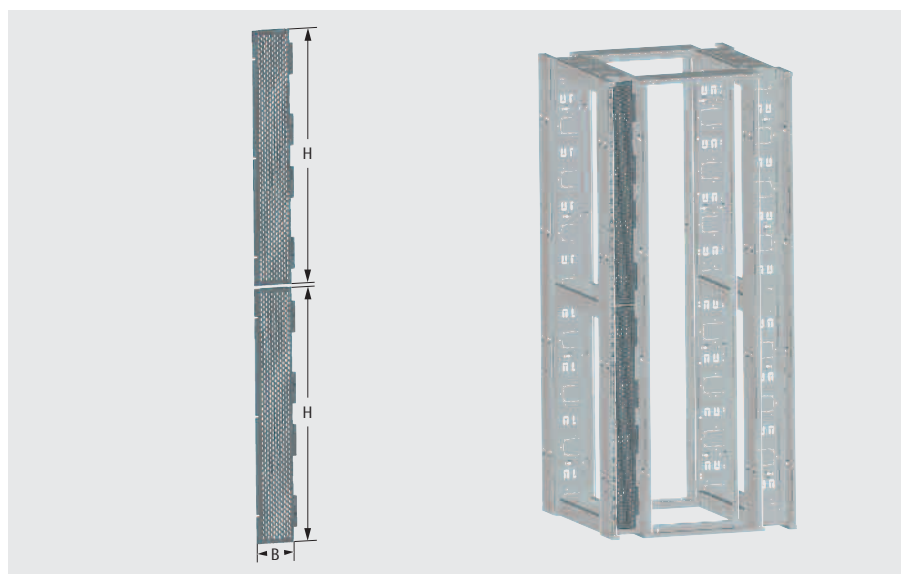| Description	Order no.
Universal guide rail	583-001-11
Sliding nuts M5 (set = 10 pieces)	630-015-11

16 **Mounting plate**

- for basic system
- for the mounting of PDU, radii delimiter, etc.
- mounting in cable duct (front)
- W = 160 mm, H = 880 mm
- up to two mounting plates per cable duct can be mounted

Material:
sheet metal

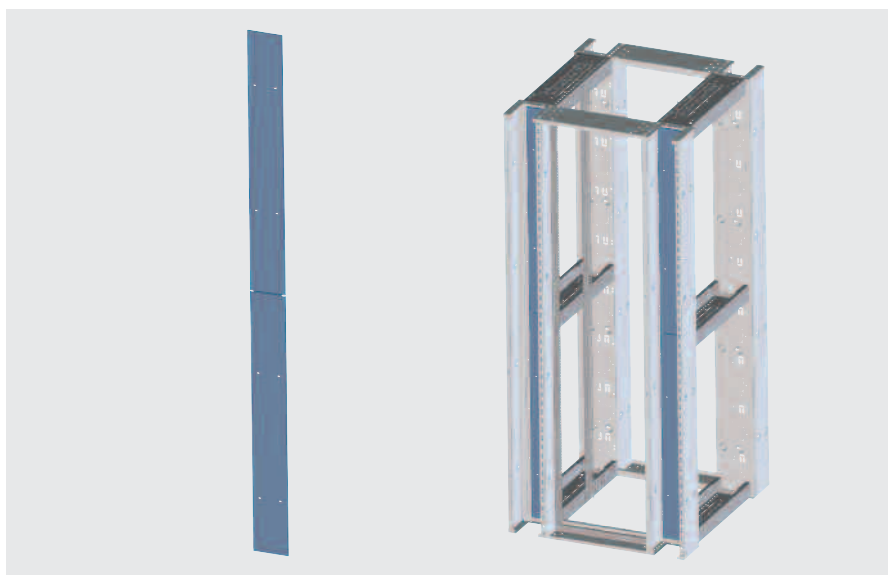| Finish	Order no.
RAL 7035	583-000-98
RAL 9005	583-005-98

17 **Locking panel for cable duct**

- to partition cooling corridor of cable duct
- mounted on the rear of cable ducts (can only be used for standard assembly of crossbars)
- set = 2 pieces (1 duct)

Material:
sheet metal

| Finish	Order no.
RAL 7035	583-000-96
RAL 9005	583-005-96

18 **Extending canal set**

- for extending the baying system "600"
- structured cable routing over the entire cabinet height
- expandable with hinged cover (item 12) or cable manager (item 9)
- Set = 2 mounting channels 46 U, incl. mounting material

Material:
sheet metal
Dimensions (H x W x D):
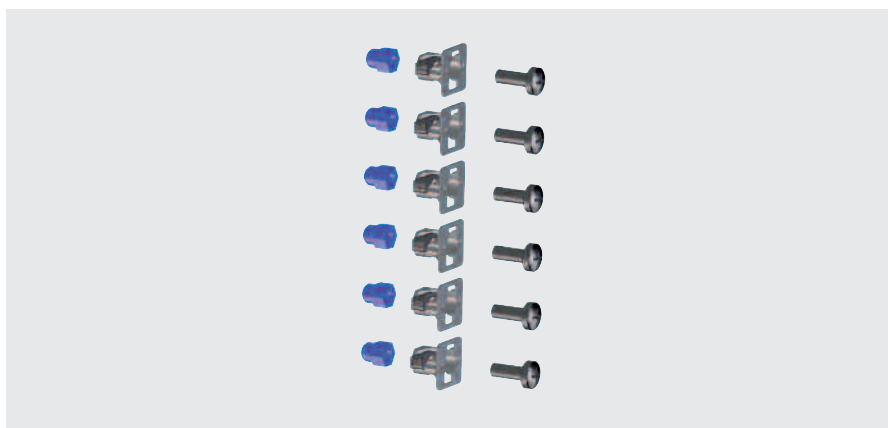2130 x 150 x 175 mm

Finish	Order no.
RAL 7035	583-001-82
RAL 9005	583-005-65
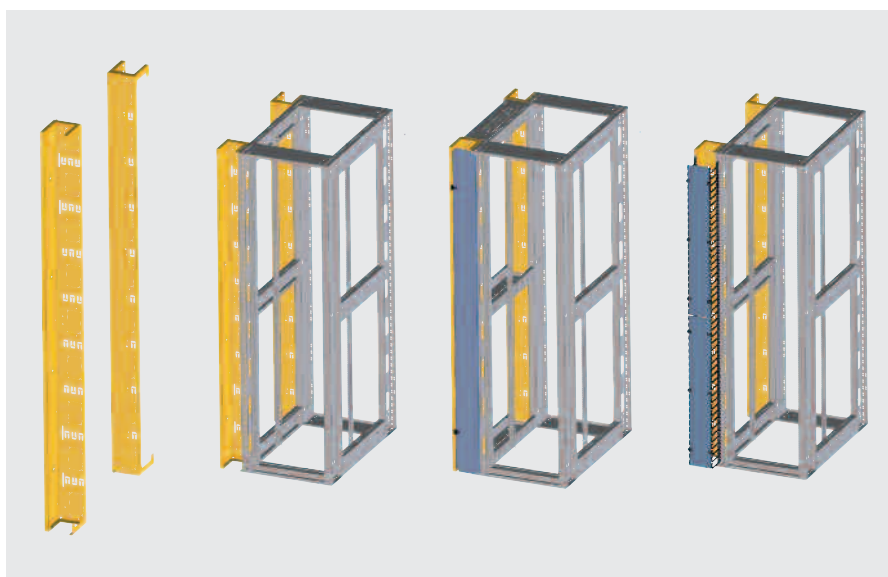
19 **Cabinet connector set**

- to connect basic or connector cabinets

Order no.
583-000-97

20 Adjusting feet set

- for basic and connector system
- to be screwed onto the cabinet frame or to the base corners
- set = 4 pieces

Material:
steel, plastic

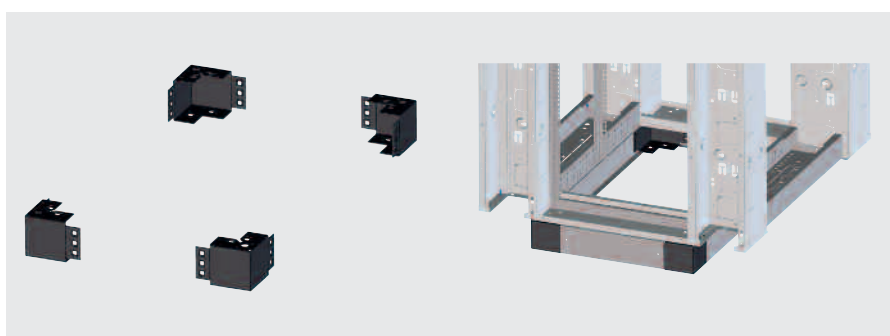| Description	Order no.
Mounting on rack	500-001-28
Mounting on base	318-026-02

21 Base corner set

- for basic and connector system
- H = 100 mm
- set = 4 pieces

Material:
sheet metal

Colour	Order no.
RAL 7035	318-100-00
RAL 9005	318-200-00

22 Base covers, solid

- for basic and connector system
- 4 covers (and four base corners, item 21) complete one base

Material:
sheet metal

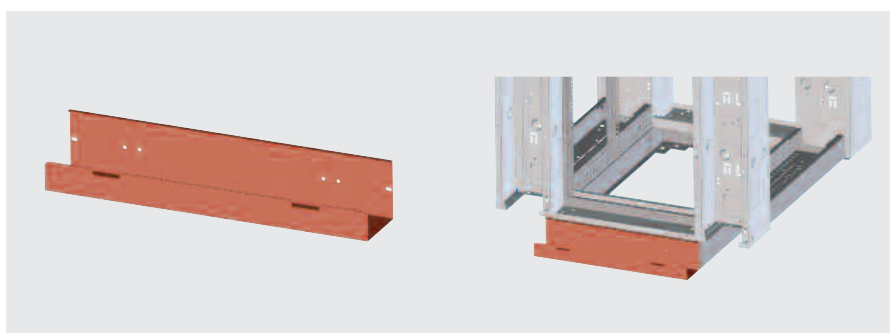| Type	W/D	Finish	Order no.
1	900	RAL 7035	318-100-10
	900	RAL 9005	318-100-18
	600	RAL 7035	316-100-10
	600	RAL 9005	316-200-10
2	800	RAL 7035	318-100-20
	800	RAL 9005	318-100-23
	1000	RAL 7035	318-100-30
	1000	RAL 9005	318-100-61
	1200	RAL 7035	318-100-50
	1200	RAL 9005	318-100-51

23 Cable routing tray

- for basic and connector system
- to be used with base corner set
- for cable entry

Material:
sheet metal

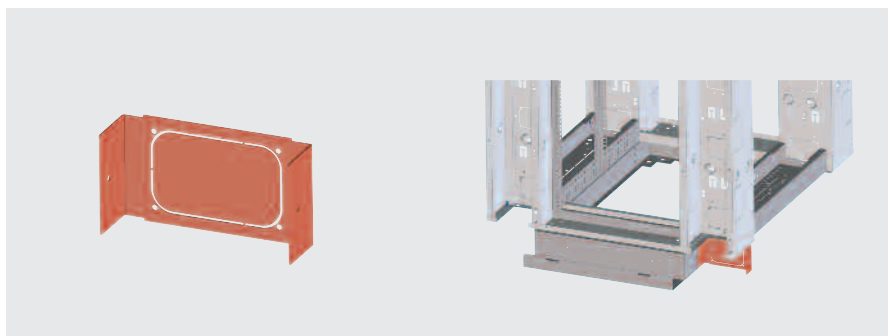| Finish	Order no.
RAL 7035	583-000-70
RAL 9005	583-005-70

24 Socket infill panel

- for basic system
- conceals space between two cabinet frames when mounting on cabinet base

Material:
sheet metal

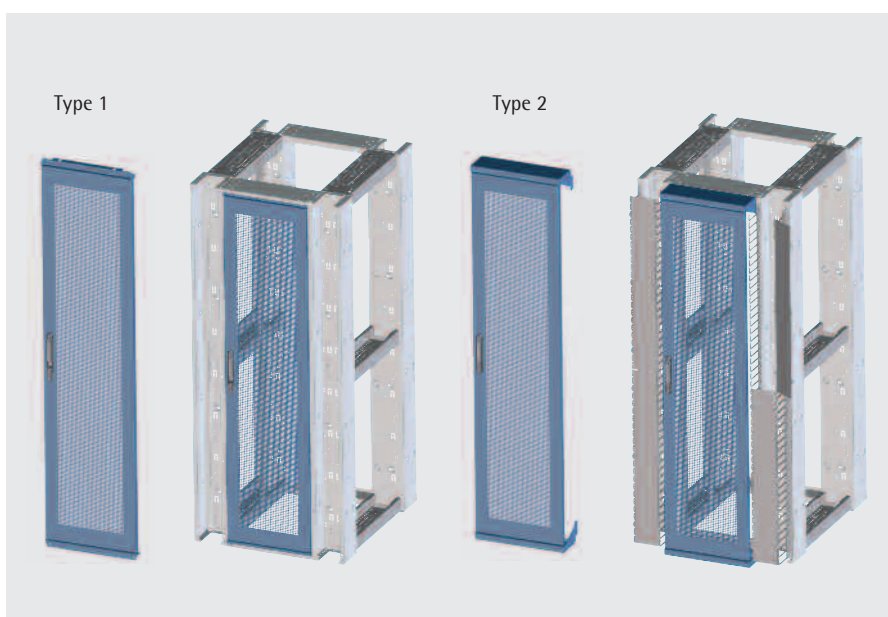| Finish	Order no.
RAL 7035	583-000-71
RAL 9005	583-005-71

25 Door ventilated (83 % perforated)

- type 1: flush-mounted with frame
- type 2: flush-mounted with the cable clamp
- with turning lever lock and push button opening (profile half cylinder possible)

Material: sheet metal

W/D mm	Finish	Type	Order no.
900	RAL 7035	1	583-000-76
900	RAL 9005	1	583-005-76
600	RAL 7035	1	583-000-76
600	RAL 9005	1	583-005-76
600	RAL 7035	2	583-000-54
600	RAL 9005	2	583-005-54
900	RAL 7035	2	583-000-80
900	RAL 9005	2	583-005-80

Type 1   Type 2

26 Side panel

- with 4 sash fasteners ("double-bit" 5 mm mechanism)

Material:
sheet metal

D mm	Finish	Order no.
800	RAL 7035	583-000-04
800	RAL 9005	583-005-14
1000	RAL 7035	583-000-84
1000	RAL 9005	583-005-84
1200	RAL 7035	583-000-07
1200	RAL 9005	583-005-07
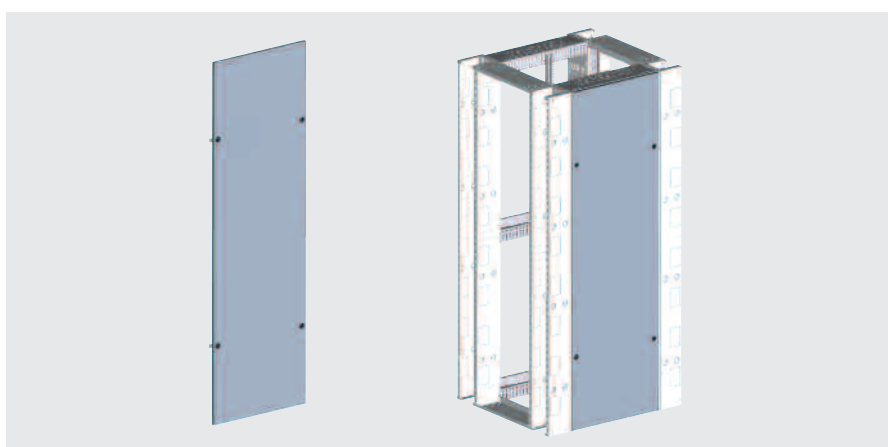
27 Locking systems for doors and side panel

- **profile semi-cylinder** L = 40 mm with EK 333 closing for turning lever lock on door (item 25)
- **adapter** for installing a profile semi-cylinder with L = 40 mm acc. to DIN 18252 (item 25)
- **sash fastener** with EK 333 closing for locking the side panel (item 26)
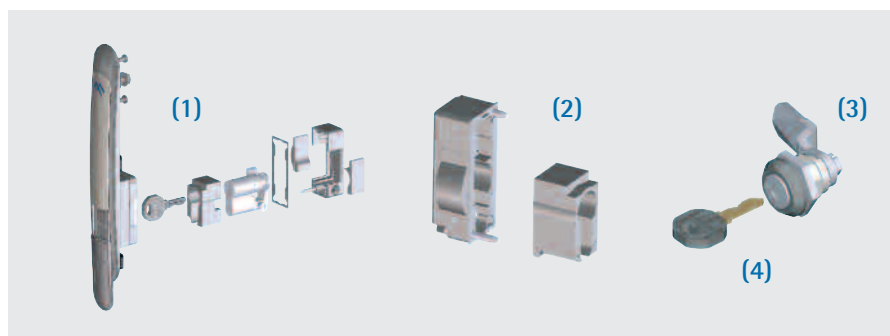
| Description	Order no.
profile semi-cylinder with EK 333 closing **(1)**	676-316-00
Adapter for profile semi-cylinder **(2)**	676-316-10
Sash fastener **(3)**	676-181
Spare key EK 333 **(4)**	676-200

28a Corridor cover with tough-enend safety glass

- for easy mounting on the cabinet system
- with 19" 3 U mounting section for power supplies, light systems etc. (item 28b)
- with toughened safety glass
- for cooling corridor with width 1.2 m

Material:
sheet metal, toughened safety glass

| W mm	Finish	Order no.
900	RAL 7035	583-000-75
900	RAL 9005	583-005-75
600	RAL 7035	583-000-63
600	RAL 9005	583-005-63
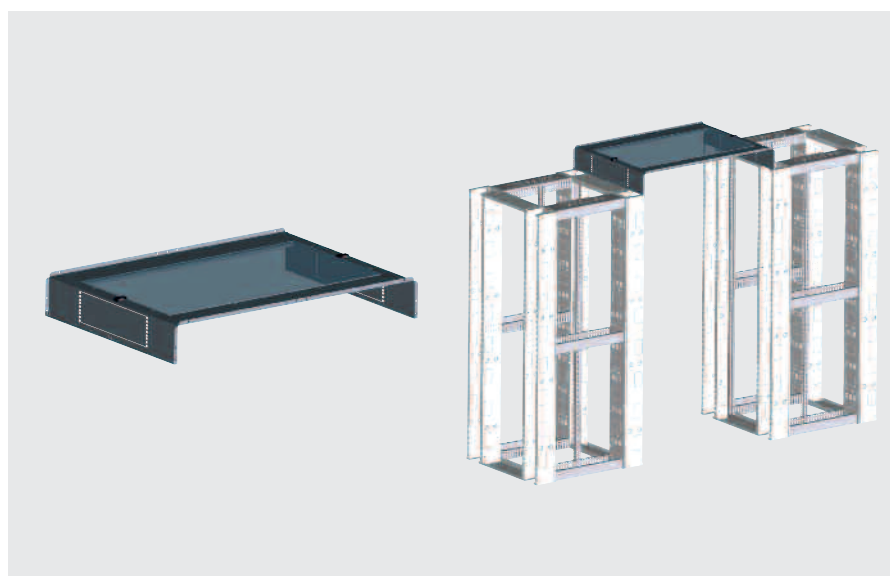
28b Corridor Cover with LED panel

- easy installation on the cabinet systems
- for optimal illumination of the cold aisle
- LED panel with 24 W, 6000 K, 2400 lm
- incl. 19" mounting panel (3 U) for mounting power distributions etc.
- for aisle width 1200 mm

Material:
corridor cover: sheet metal, LED panel: aluminium / acryl

| W mm	Finish	Order no.
900	RAL 7035	583-002-52
900	RAL 9005	583-005-52
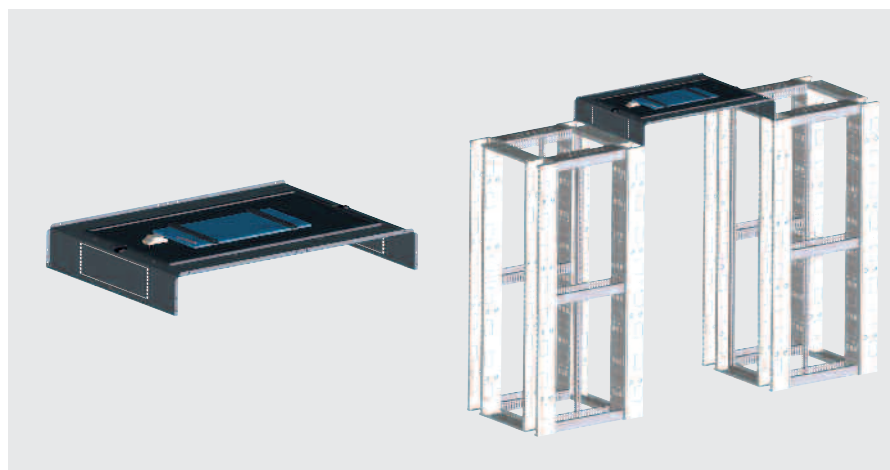
29 Sliding door system

- to complete a NETcell cold / warm aisle containment
- for cooling corridor with width 1.2m
- height adjustment towards floor is possible

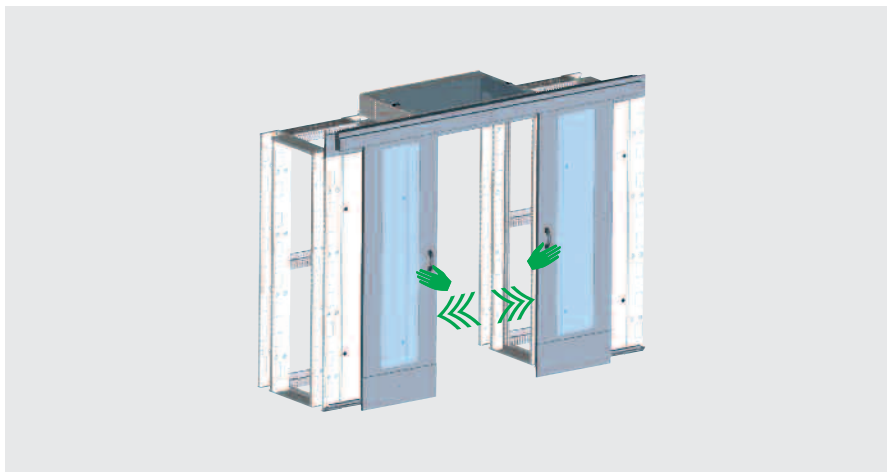**Material:**
sheet metal, toughened safety glass

Model	Finish	Order no.
manuell	RAL 7037	583-000-59
manuell	RAL 9005	583-005-59
elektrisch	RAL 7037	583-001-13
elektrisch	RAL 9005	583-001-16
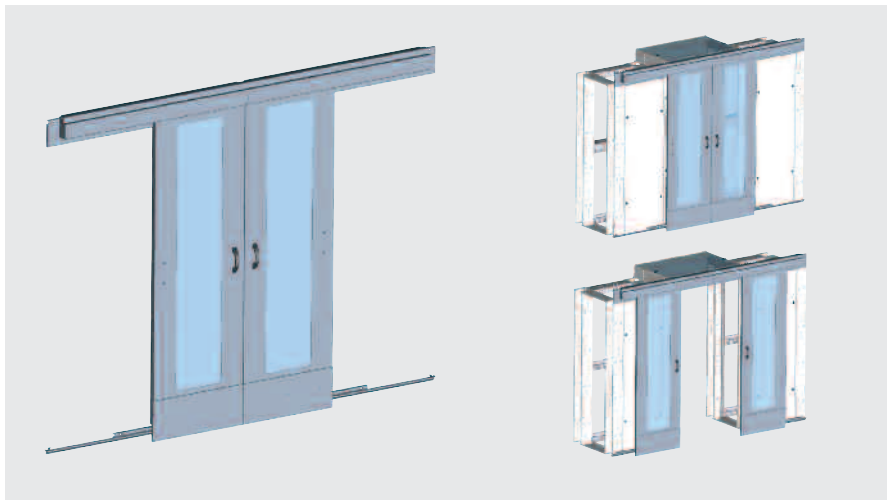
30 Extension set synchronous run for sliding door system

- synchronous opening or closing of both door leaves
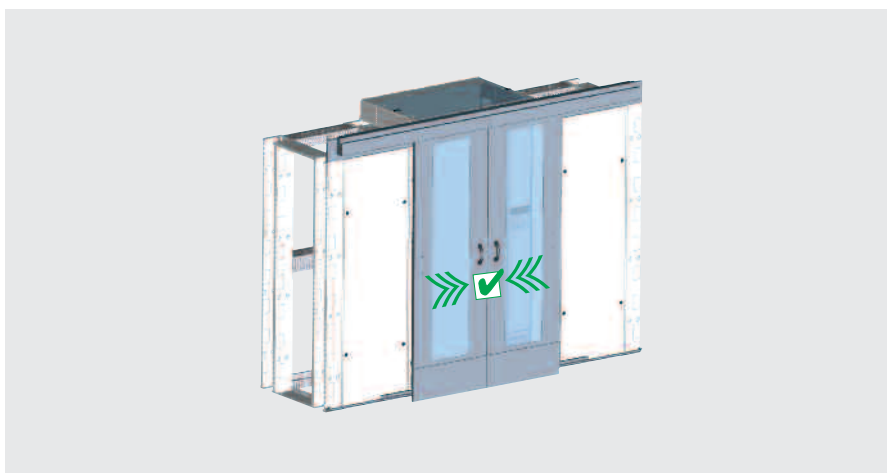- to extend the manual sliding door system

Order no.
583-003-36

31 Extension set synchronous run with linear return

- synchronous opening of both door leaves with independent closing
- mechanical return system
- high energy efficiency, since the cold / hot aisle is always closed automatically
- to extend the manual sliding door system
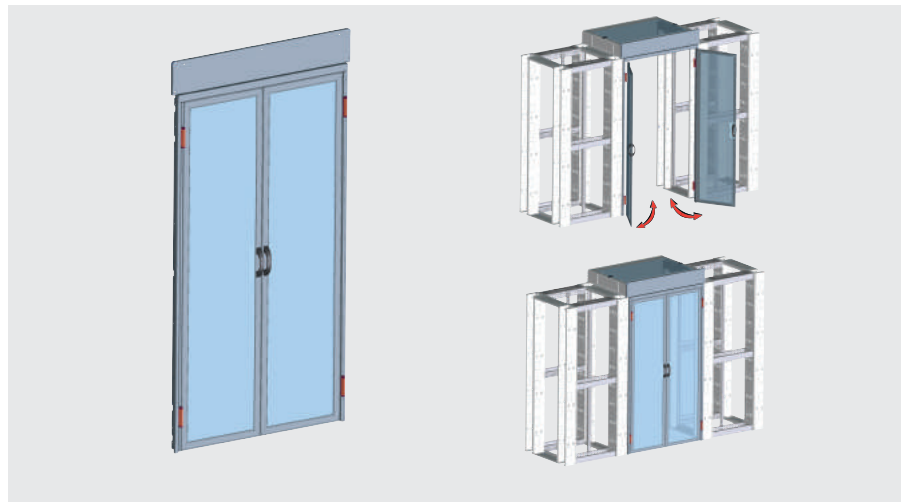
Order no.
583-003-62

32 Swing door system

- to complete a NETcell cold / warm aisle containment
- opening possibility in both directions
- 180 ° opening angle, optimal access
- ensuring pressure equalization in the cold aisle (for example, when the extinguishing system is triggered)
- high energy efficiency, as the cold aisle is always closed automatically
- protection of persons in dangerous situations (escape door)
- for aisle width 1200 mm

Material:
Mounting frame: sheet steel, door profiles: aluminium, tempered glass

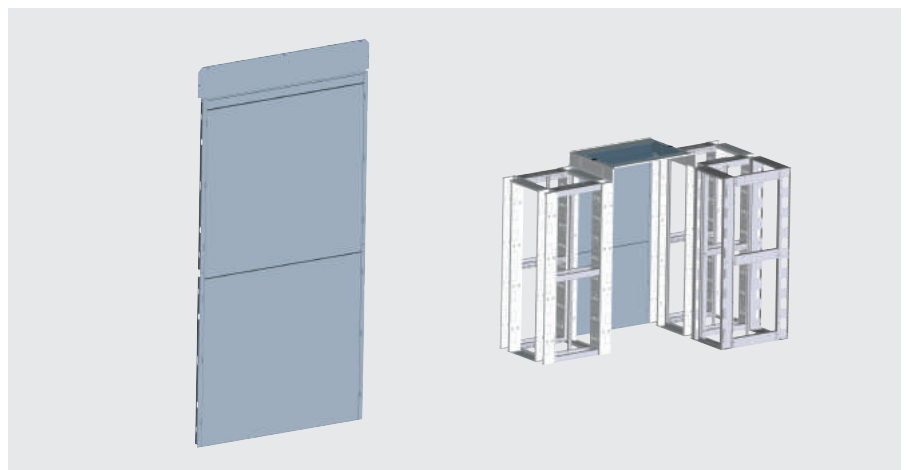| Finish	Order no.
RAL 7037 / aluminium look	583-004-15
RAL 9005 / aluminium look	583-004-50

33 Corridor back wall set

- to finish a NETcell cold / warm aisle with a passage width of 1200 mm
- horizontally split mounting
- Set = 2 rear panels, incl. mounting brackets and completion of the corridor cover

Material:
sheet metal

Finish	Order no.
RAL 7035	583-003-90
RAL 9005	583-005-26

34 Cable tray

- to guide cables above cooling or heating corridor
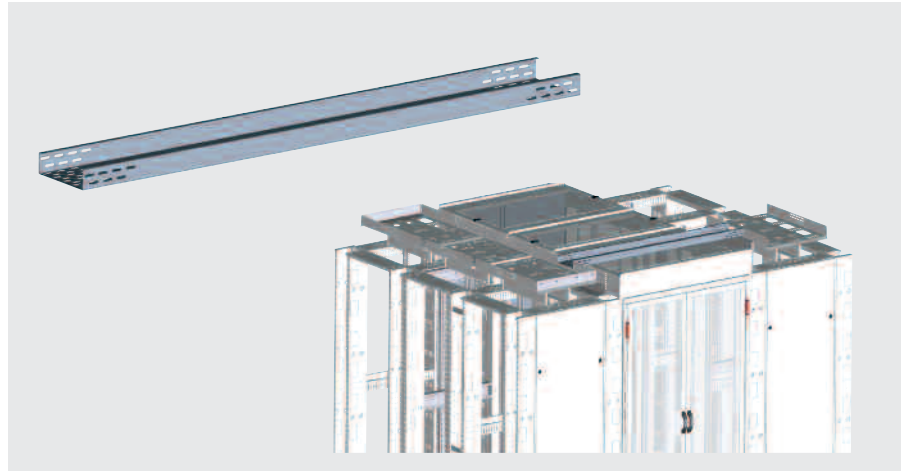- may also be used together with corridor cover (cooling corridor)

Material:
sheet metal, hot dip galvanised
Dimensions (W x H x D):
200 x 60 x 1500 mm

Order no.
583-000-91

35 19" blind panel, plastic, 1 U

- air separation function: cost-saving and very effective option for reducing energy costs in data centres
- visual upgrade of the rack by concealing free 19" surfaces
- stylish design due to rounded front surface of the panel
- short assembly time: the blind panel is easily and without tools clipped into the 19" grid.
- can be removed and reinserted at any time without wear and tear and without tools
- protection against dust entry
- fire protection classification to UL94 V-0
- weight-saving in comparison to traditional metal panels

Material:
Lexan 920, fire class to UL 94 V-0, ROHS-compliant
Finish:
RAL 7016 anthracite grey, RAL 7035 light grey or RAL 9005 jet black
Delivery:
Set = 10 pieces
Set = 136 pieces
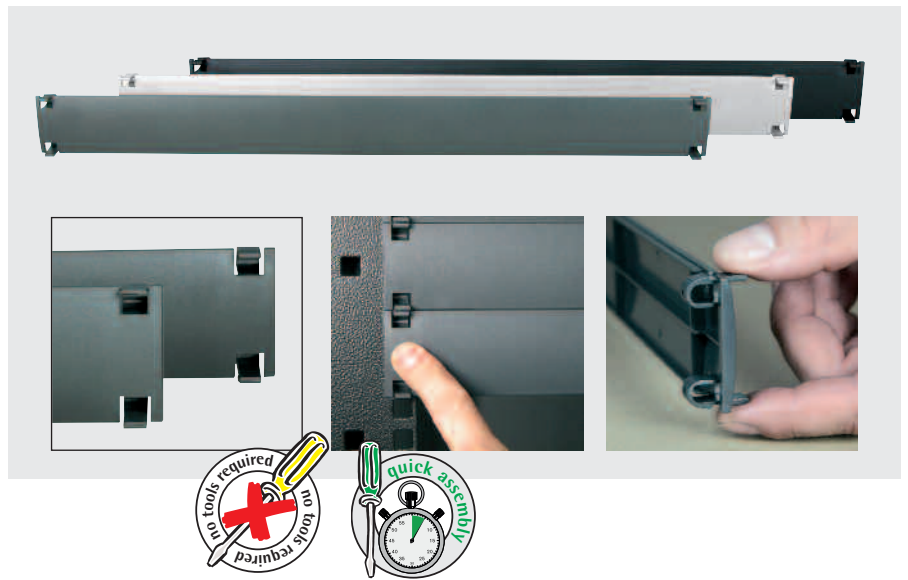
Colour	Lieferform	Order no.
RAL 7016 anthracite grey	Set = 10 pc.	213-156-25
	Set = 136 pc.	213-156-40
RAL 7035 light grey	Set = 10 pc.	213-156-30
	Set = 136 pc.	213-156-45
RAL 9005 jet black	Set = 10 pc.	213-156-78
	Set = 136 pc.	213-156-79
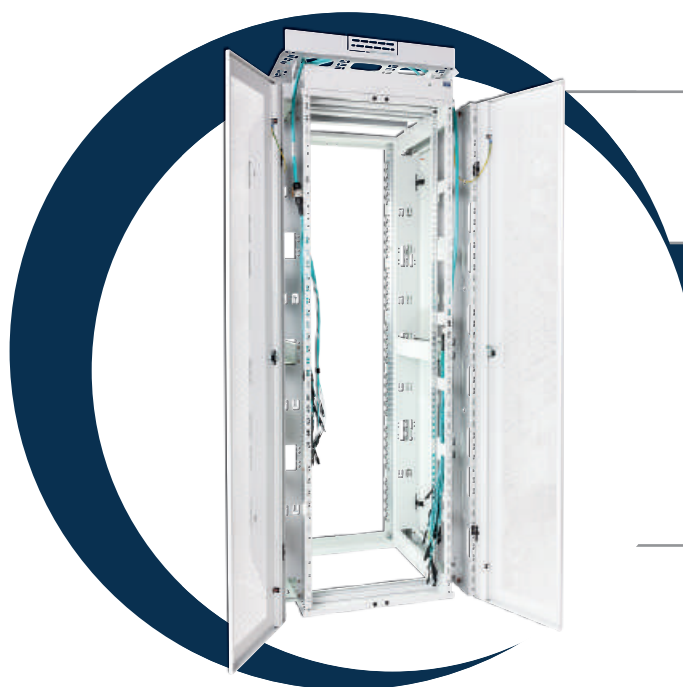
You can read more about products from the apra-group at www.apra-norm.com

Open distribution rack easyVARI

- can be completely dismounted
- easy transport to installation site
- simple assembly and installation of passive and active network components without interfering with cabinet mounts
- easy ventilation and installation, since no trim parts interfere
- 10 metal clamps are attached to every rack for cable entry (included in delivery). Cross-connection between individual racks is realised through the base
- 19" frame, variable depth 450-900 mm in 50 mm jumps

**Material:**
sheet metal
Finish:
RAL 7035 light grey
Delivery:
unmounted

Components

Item	Description
1	19" frame 21 U
2	Base, H0100 mm
3a–c	19" shelves
4	Depth struts, variable depth
5	Cabinet connector set
6a–c	Slide rails (without fig.)
7	Cable clamps

Delivery

Basic rack		
Item	pc.	Description
1	2	19" frame 21 U
2	1	Anti-tip base H = 100 mm, D = 1100 mm, cable inputs/outputs back and side
7	10	Cable clamps 125 x 66 mm
Connector rack		
Item	pc.	Description
1	2	19" frame 21 U
2	1	Anti-tip base H = 100 mm, D = 1100 mm, cable inputs/outputs back and side
5	1	Cabinet connector set
7	10	Cable clamps 125 x 66 mm
Extension frame		
Item	pc.	Description
1	2	19" frame 21 U
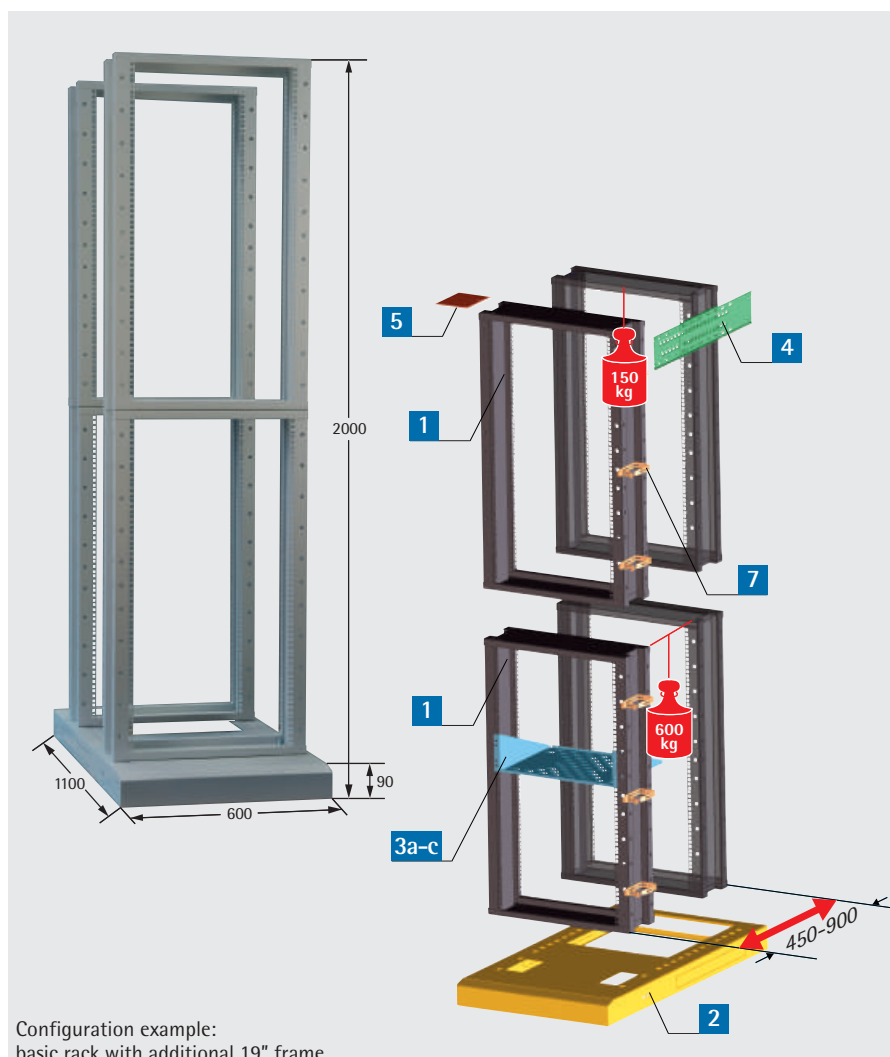
Configuration example:
basic rack with additional 19" frame

Description	Dimensions (H x W x D) mm	Order no.
Basic rack	2100 x 600 x 1100	582-101-00
Connector rack	2100 x 600 x 1100	582-101-10
Extension frame	1970 x 600 x 190	582-101-15

3a 19" shelf 2 U, fixed installati–on
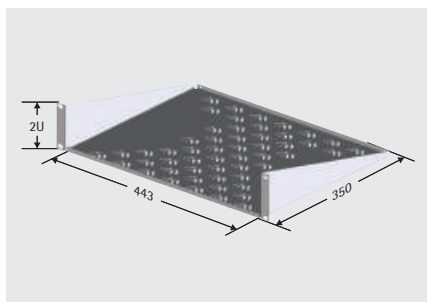
- simple assembly on a 19" grid (only one 19" level required)
- ventilated

Material:
sheet metal
Finish:
RAL 7035 light grey
Load capacity:
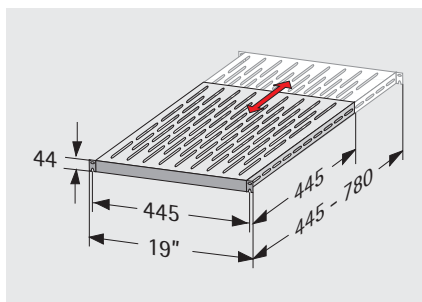15 kg (distributed load/static)
Dimensions (H x W x D):
2 U (88 mm) x 19" (482,6 mm) x 350 mm
Floor space (w x d):
443 x 350 mm

Order no.
315-810-20

3b 19" shelf 1 U "VARIplain" fi–xed installation

- depth variable due to VARIplain technology
- telescopic: 445 - 780 mm (see fig.)
- simple one-person assembly through open long hole in the 19" front (hook-in)

Material:
sheet metal
Finish:
RAL 7035 light grey
Load capacity:
150 kg (distributed load/static)
Dimensions (H x W x D):
1 U (44 mm) x 19" (482,6 mm) x 445 - 780 mm
Floor space (w x d):
445 mm x (445 - 780) mm
Delivery
mounting material included

Order no.
316-036-99

3c 19" shelf 1.5 U extractable

- variable-depth installation
- extraction length 500 mm
- simple one-person assembly

Material:
sheet metal
Finish:
RAL 7035 light grey
Load capacity:
60 kg (distributed load)
Dimensions (H x W x D):
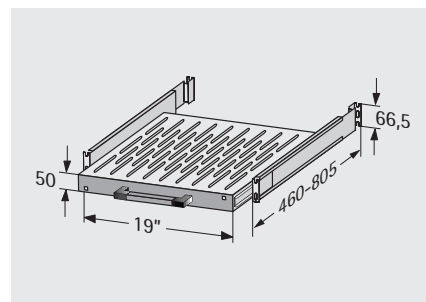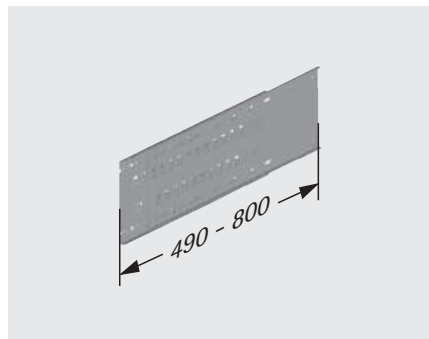1,5 U (66,5 mm) x 19" (482,6 mm) x 465 - 665 mm
Floor space (w x d):
410 x (465 - 665) mm

Depth D mm	Order no.
465	318-141-00
665	318-141-01

4 Depth struts, variable depth

490 - 800

- to connect two 19" frames installed one behind the other

Order no.
582-101-32

5 Cabinet connector set

- for the lateral connection of other distribution racks

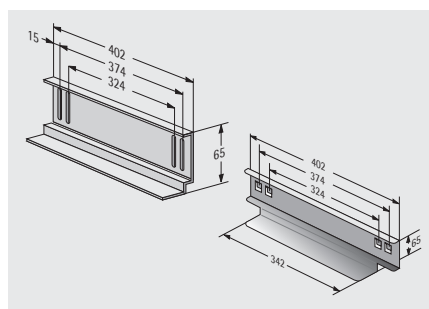| Order no. |
|---|
| 582-101-34 |

6a Slide rail

202
172
152
132
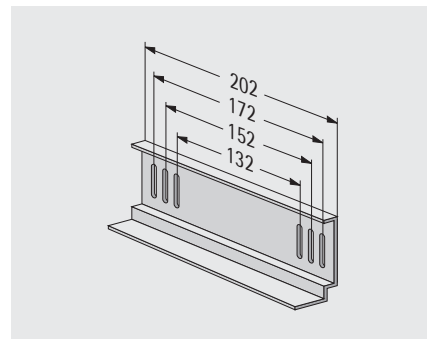
- for the installation on <u>one</u> 19" level
- Delivery: 1 pair

Load capacity:
50 kg

Order no.
312-543

6b Slide rail, hook–in/screwed on

15
402
374
324
65

402
374
324
65
342

- to support heavy 19" plug-in units
- two 19" levels are required for mounting
- Delivery: 1 pair

Load capacity:
50 kg

Description	Order no.
hook-in	316-544-00
screwed on	312-544

6c Slide rail, variable depth

50
475-800
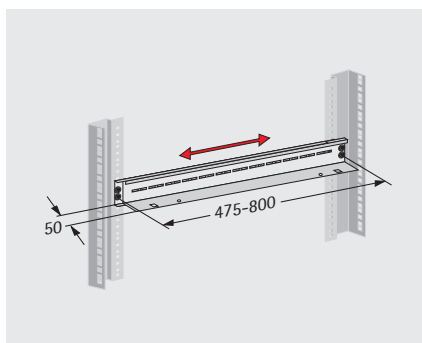
- for 19" plug-in units irrespective of the clearance to the 19" levels
- depth-adjustable
- for use as of a cabinet depth of 800 mm
- Delivery: 1 pair

Load capacity:
50 kg

Order no.
316-544-20

7 Cable clamp set

H
D
W
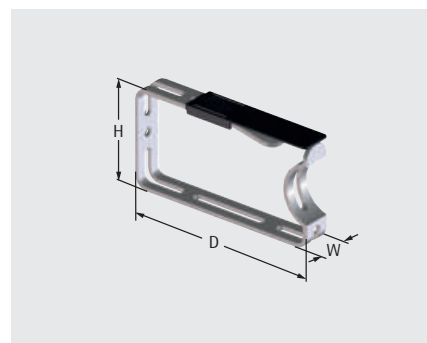
- for positioning cables vertically on the 19" frame
- set = 10 pieces

Material:
steel

Dimensions (H x W x D) mm	Order no.
66 x 125 x 23	640-036-12
88 x 125 x 23	640-036-13

19" laboratory rack 21 U

- for frequent access to 19" equipment, for example in laboratories, and development departments

Material:
sheet metal / die cast
Finish:
RAL 7035 light grey
Pedestal: RAL 7037 dusty grey
Load capacity:
120 kg
Delivery:
unmounted

The following can be used as accessories: Shelves 2 U (page 85) and cable clamp set (page 86).

Delivery

Laboratory rack	
pc.	Description
1	19" sheet metal frame 21 U with grid in front and rear
2	Pedestal with integrated adjusting feet
1	Mounting material
Extension module	
pc.	Description
1	19" sheet steel frame 21 U with front and rear grid
1	Mounting material

Laboratory rack

Laboratory rack Extension module

Dimensions (H x W x D) mm	Description	Order no.
1044 x 561 x 770	Laboratory rack 21 U	585-010-20
984 x 561 x 190	Extension module 21 U	585-010-22

Castor set for laboratory rack

- for installation on the pedestal set
- H = 100 mm
- two castors with brake

Load capacity:
225 kg

Order no.
582-101-30

19" wall rack

The 19" wall rack represents a flexible, effective and cost-effective 19" alternative in the wall distribution sector.

The 19" level can be depth adjusted from 300 mm up to a maximum of 500 mm providing enough space for cable routing even for deep plug-in units.
A second 19" level at the rear of the rack allows the assembly of sliding rails to accept heavy plug-in units. The cable feed above and below is fitted with an integrated strain-relief strip.
The 19" wall rack is simple to mount since the fixing holes can be marked to the wall by using the mounted 19" rack and subsequently be drilled and screwed.

Construction:
The 19" wall rack comprises two wall brackets **(1)**, upper and lower extraction rails **(2)** and a front and/or rear 19" level **(3)**.
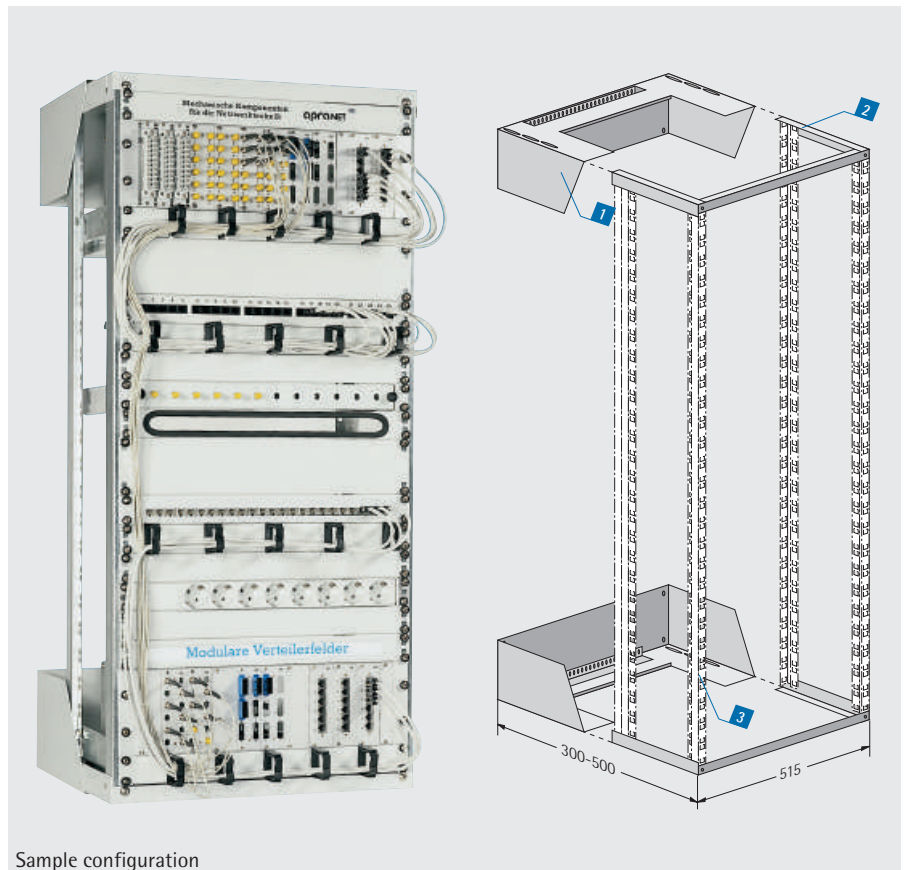
Finish:
Wall bracket: RAL 7035 light grey
Extraction rails / 19" level: galvanised
Load capacity:
19" level front: 60 kg
19" level front and rear: 100 kg
Delivery:
unmounted

Sample configuration

A maximum of 4 vertical mountings can be integrated into the open wall rack. 19" vertical mountings **(3)** please order separately based on your U requirements (see page 89).
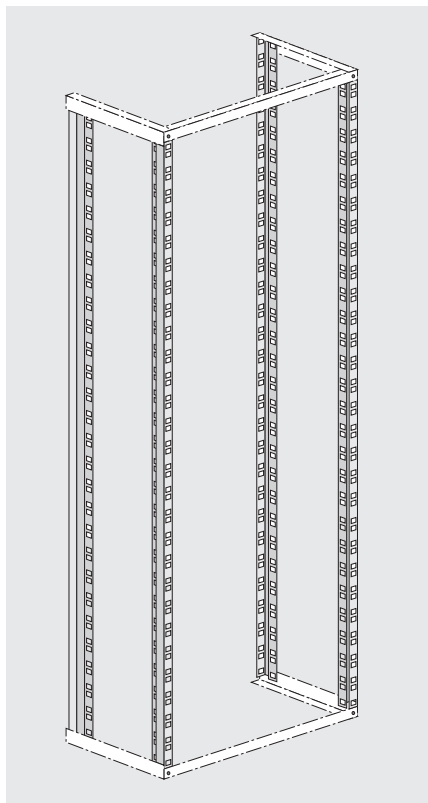
Delivery

Item	pc.	Description
1	2	Wall bracket
2	2	Extraction rails

Order no.
582-010-00

3 19" vertical mountings

Finish:
galvanised

A maximum of 4 vertical mountings can be incorporated into the open wall rack.

U	Order no.
9	500-309
12	500-312
15	500-315
18	500-318
24	500-324

Slide rail for 19" vertical mounting

202
172
152
132
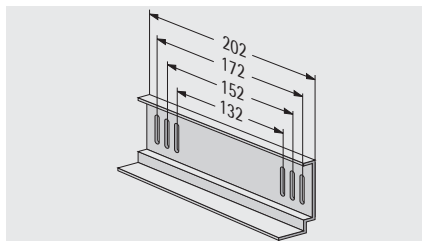
- to support heavy plug-in units
- includes mounting material

Material:
sheet metal
Finish:
galvanised
Delivery:
1 pair

Four 19" vertical mountings are required for mounting.

Order no.
312-543

19" cable entry panel 1 U / 2 U with metal clips

- for controlled and clearly arranged horizontal cable guiding at the 19" level
- including 4 cable hoops and lockings

Finish:
painted/chrome-plated
RAL 7035 light grey
RAL 9005 jet black
Dimensions (H x W x D):
1 U: 44 x 482,6 x 90 mm
2 U: 88 x 482,6 x 130 mm

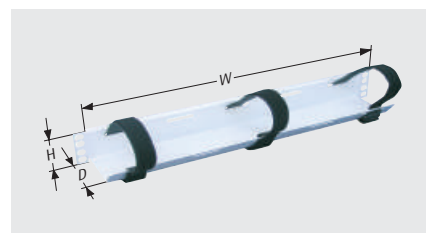| U	Colour	Order no.
1	RAL 7035	213-145-41
1	RAL 9005	213-145-42
2	RAL 7035	213-145-43
2	RAL 9005	213-145-44

19" cable entry panel 1 U with plastic clips

- for clear, neat horizontal cable entry in the 19" level
- including 5 cable clamps and mounting material

Finish:
RAL 7035 light grey
RAL 9005 jet black
Dimensions (H x W x D):
44 x 482,6 x 60 mm
Delivery:
mounting material included

Colour	Order no.
RAL 7035	213-145-00
RAL 9005	213-145-30

19" cable entry panel 1 U with Velcro fasteners

- for clear and neat horizontal cable entry at the 19" level with Velcro fastener
- including 3 Velcro strips and mounting material

Finish:
RAL 7035 light grey
RAL 9005 jet black
Dimensions (H x W x D):
44 x 482,6 x 90 mm

Colour	Order no.
RAL 7035	213-161-00
RAL 9005	213-161-10

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19" desk rack 4 U

- the small 19" frame is ideal for space-saving yet secure mounting of 19" components
- can be mounted both horizontally and vertically
- with two extra drill holes in the bottom panel, it can also be mounted under a desktop or as simple wall rack
- includes raised floor shelf to accommodate excess cable lengths
- fast time-saving assembly
- cost-saving solution for small networks
- designed as simple assembly stands for 19" components in laboratories or test rooms
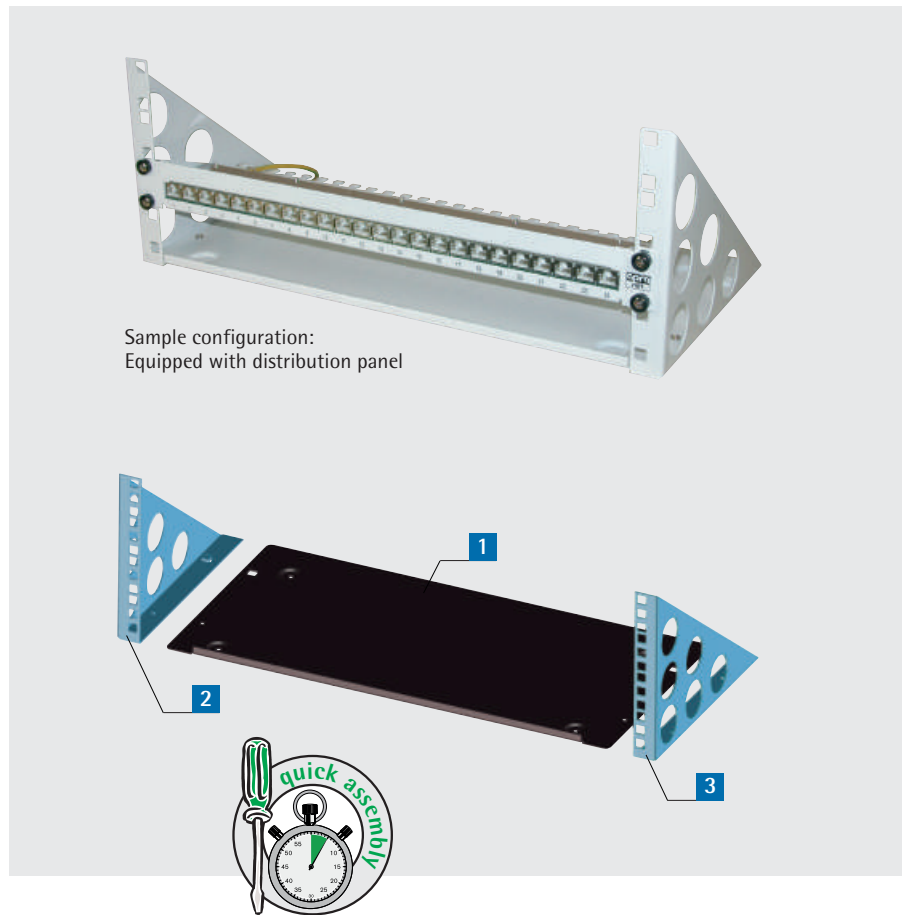
Material:
sheet metal
Finish:
RAL 7035 light grey
Dimensions (H x W x D):
190 x 502 x 250 mm
Delivery:
unmounted

Sample configuration:
Equipped with distribution panel

quick assembly

Delivery

Item	pc.	Description
1	1	Basic plate
2	1	Side part left
3	1	Side part right
	16	Screws M 5 x 12
	16	Decorative washers M5
	16	with collar Cage nuts M5-8
	1	Mounting material

Order no.
582-004-00

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1 19" / 21" rack system "NETcell 800"

- open 19 "/ 21" cabinet system with large volume integrated cable ducts across the entire rack height, as well as in the depth of the system.
- The vertical 19 "spars (42 U) can be adjusted to the ETSI (21") track by 90 °, if required, by simply repositioning them.
- With further options for cable routing "on top" via optional cable guide brackets (item 6) as well as an excess length tray (item 5) / integrated cable tray expandable.
- The cabinet system can be used as a closed rack using trim components (items 2, 3 and 4).
- Installation as a single cabinet and cabinet row possible.
- Cabinet system completely dismantled.

Installation hight:
19" = 42 U / 21" = 75 U
Material:
sheet metal
Finish:
RAL 7035 light grey
Load capacity:
1500 kg (distributed load)

Table of components

Item	Description
1	Basic system
2	Door divided, perforated
3	Side wall / bulkhead
4	Roof plate
5	Oversize tub
6	Cable management angle / final panel
7	Adjustable feet

Sample configuration

Dimensions (H x W x D) mm	Order no.
2000 x 800 x 1000	583-901-90
2000 x 800 x 800	583-902-00

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2 Door divided, perforated

The door is divided and 82% perforated. This is for passive ventilation of the NET-cell system. The doors can each be closed individually via cam locks. The two doors cover the entire cabinet front including the channels.

- including two cam locks with double bit closure
- Profile closure possible (see right)
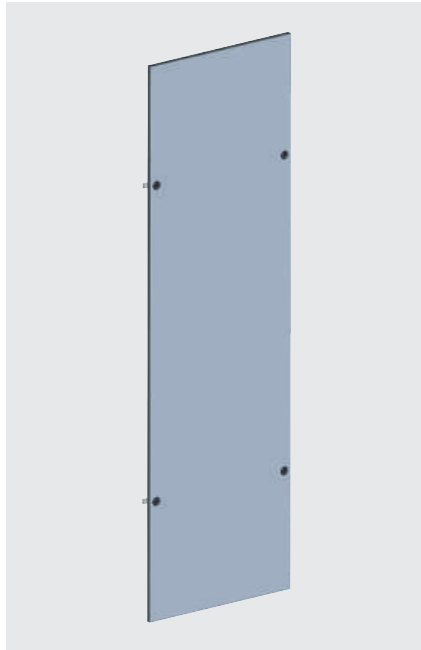
Material:
sheet metal
Finish:
RAL 7035 light grey
Dimensions (H x W x D):
2000 x 800 x 35 mm

Order no.
583-902-02

3 Side wall / bulkhead

The side walls are provided with four cam locks. This is for easy and quick installation of the side walls.

- including four sash closures with double-bit closure
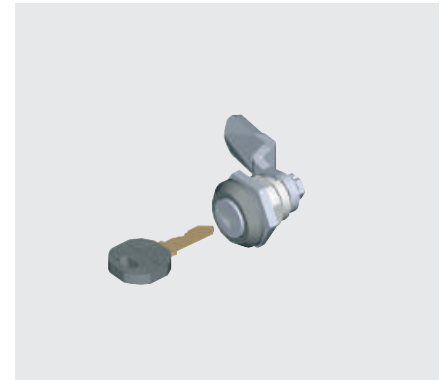- Profile closure possible (see closure system)

Material:
sheet metal
Finish:
RAL 7035 light grey

Dimension (H x W) mm	Order no.
2000 x 1000	583-002-25
2000 x 800	583-002-72

Locking systems for doors and side panel

- **sash fastener** with EK 333 closing for locking the shared door (Item 2) and the side panel (Item 3)

Description	Order no.
Sash fastener	676-181
Spare key EK 333	676-200

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4 Roof

- The roof contains two pre-stamped plates that can be broken out for cable entry.

Material:
sheet metal
Finish:
RAL 7035 light grey

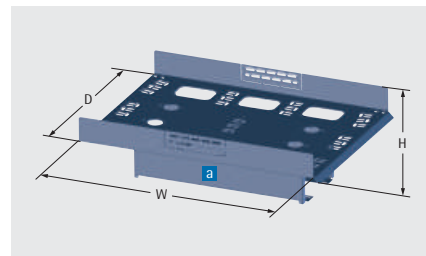| Depth D mm	Order no.
1000	583-902-04
800	583-902-03

Brush set
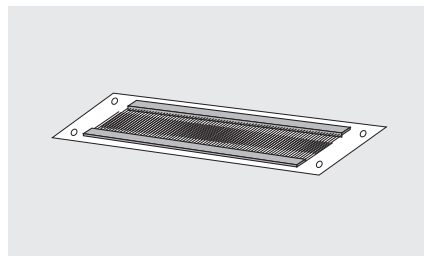
- After removing the pre-stamped panels of the roof panel, this brush set is used to close the openings or for cable entry through the roof.

Order no.
316-111-10

5 Oversize tub

- is screwed onto the cabinet system
- serves as a cable tray system for cabinet rows and can replace hinged cable trays
- can be closed by the tool-free installation of a cover on the front side
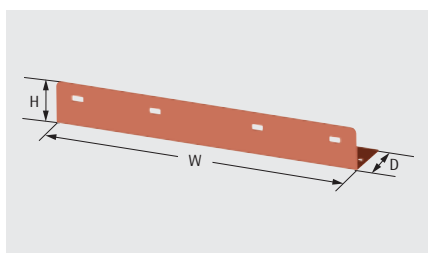
Material:
sheet metal
Finish:
RAL 7035 light grey
Dimensions (H x W x D):
250 x 800 x 580 mm

Order no.
583-009-78

6 cable management bracket / cover

- serve for cable routing on the cabinet system
- are mounted on the roof without tools
- can be placed individually in the depth
- can also serve as the end panel of the excess length tub

Material:
sheet metal
Finish:
RAL 7035 light grey
Dimensions (H x W x D):
80 x 580 x 100 mm

Order no.
583-901-99

Adjusting feet

- are bolted to the frame
- serve to align the cabinet, e.g. on uneven ground
- 1 set = 4 pieces

Material:
sheet metal, plastic
Finish:
RAL 7035 light grey

Order no.
500-001-28

1 19"– / 21" Rack

The frame is an open 19 "/ 21" frame with side bar outcrops for optimal cable routing. With further options for cable routing "on top" via cable guide bracket (item 5). The special feature of the grid bars is that the mounting frame can be used as a 19 "(45 U) version or as a 21" (41 U) version, depending on the installation method.
Installation as a single cabinet and cabinet row possible. Rack system welded.

Material:
sheet metal
Finish:
RAL 7035 light grey
Load capacity:
600 kg (distributed load)
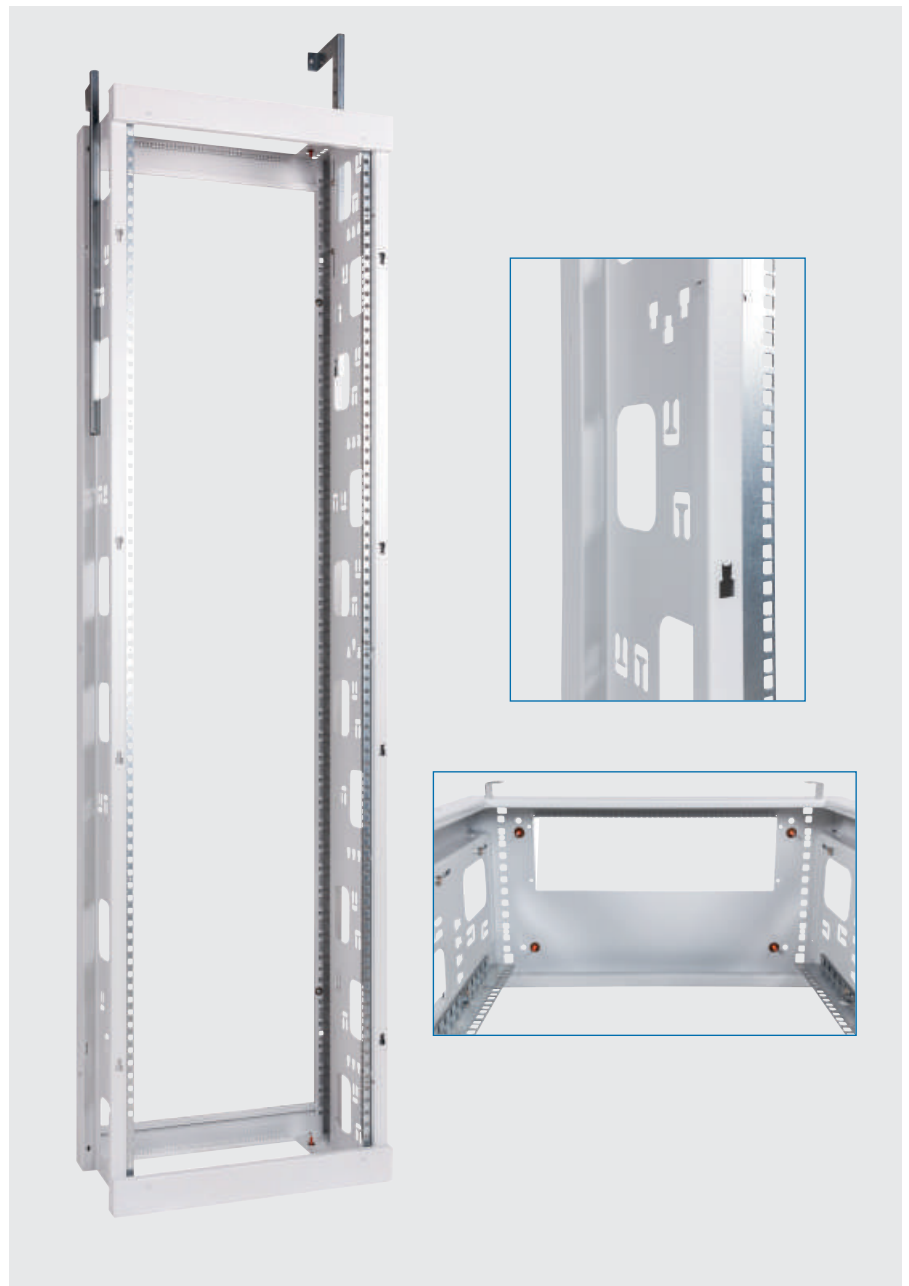**Dimensions (H x W x D):**
2200 x 600 x 300 mm
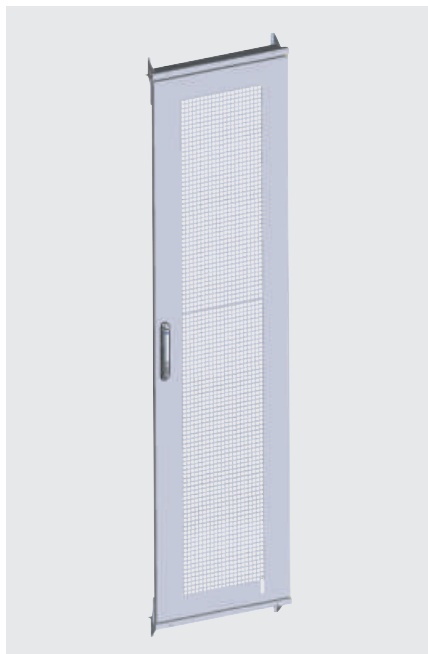**Einbauhöhe:**
19"= 45 U, 21"= 81 U

Table of components

Item	Description
1	ETSI rack
2	door, ventilated
3	side wall
4	rear panel
5	cable management bracket
6	cable channel

Order no.
582-030-00

apra
net
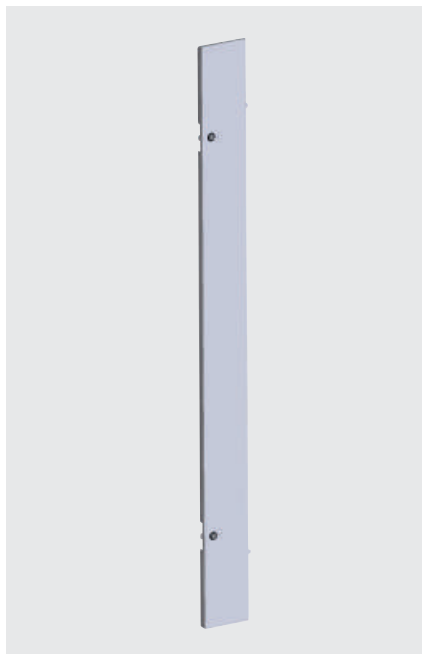www.apra.de

2 Door, ventilated

- 83% perforated for passive ventilation of the frame
- through the door, the entire cabinet front is covered
- Dimensions for H x W: 2000 x 600 mm
- the door can be closed with a two-point lock, profile half cylinder possible (see locking systems)

Material:
sheet metal
Finish:
RAL 7035 light grey
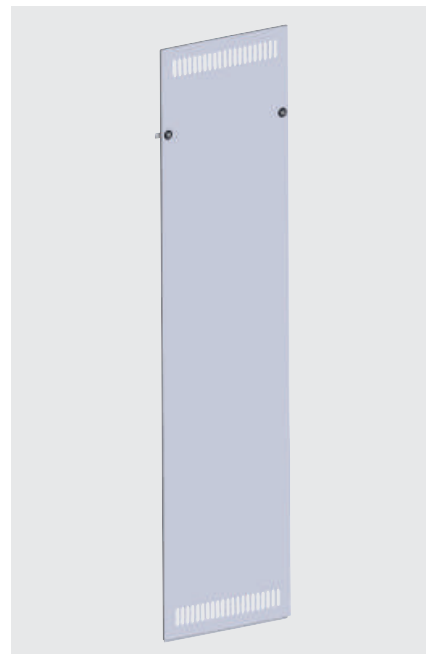
Order no.
582-030-24

3 Side wall

- equipped with two cam locks for easy and quick installation of the side walls
- Dimensions for H x W: 2000 x 300 mm
- Profile closure possible (see closure systems)

Material:
sheet metal
Finish:
RAL 7035 light grey

Order no.
582-030-28

4 Rear panel

- equipped with two cam locks for easy and quick installation of the rear wall
- Dimensions for H x W: 2000 x 600 mm
- Profile closure possible (see closure systems)
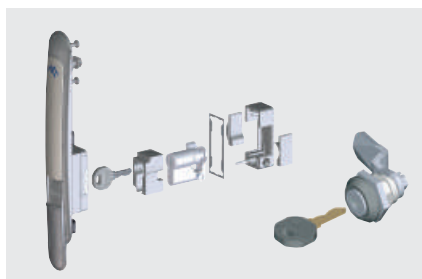
Material:
sheet metal
Finish:
RAL 7035 light grey

Order no.
582-030-25

Locking systems for doors and side panel

- **profile semi–cylinder** L = 40 mm with EK 333 closing for turning lever lock on door Item 2
- **adapter** for installing a profile semi-cylinder with L = 40 mm acc. to DIN 18252 Item 2
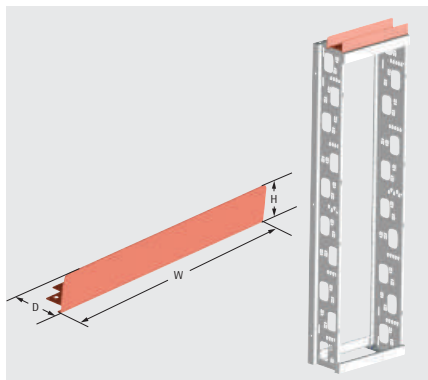- **sash fastener** with EK 333 closing for locking the side panel Item 4

Description	Order no.
Profile half cylinder	676-316-00
Sash fastener	676-181
Adapter	676-316-10
Spare key EK 333	676-200

5 Cable management brackets

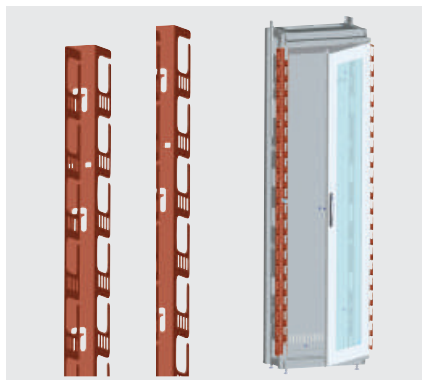- for maneuvering cables on the rack

Material: sheet metal
Finish: RAL 7035 light grey
Dimensions (H x W x D):
80 x 570 x 100 mm

Order no.
582-030-22

LED cabinet light

- cost-optimised LED technology with a power consumption of 5 W (light intensity equivalent to a 75 W light bulb)
- internal power supply unit with wide range voltage 100 - 230 V / AC
- long-life and no maintenance (service life at 20 °C = 60,000 h)
- available with switch or motion detector
- magnetic attachment for individual mounting in the cabinet
- pressure clamp connection

Connections must be ordered separately!

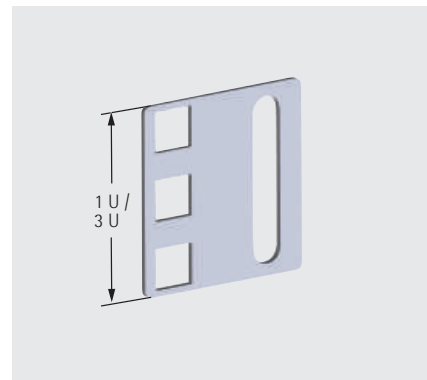| Description	Order no.
LED cabinet light with switch	640-143-05
LED cabinet light with motion detector	640-143-06
Connection with Euro plug, L = 2.5 m	640-143-08

6 Cable channel set

- for vertical cable routing in front of the 19 "/ 21" level
- is mounted on the frame
- Set = 2 pieces

Material: sheet metal
Finish: RAL 7035 light grey

Order no.
582-030-26

Document pocket

- self-adhesive
- heat-resistant up to 60 °C
- load capacity of up to 3 kg
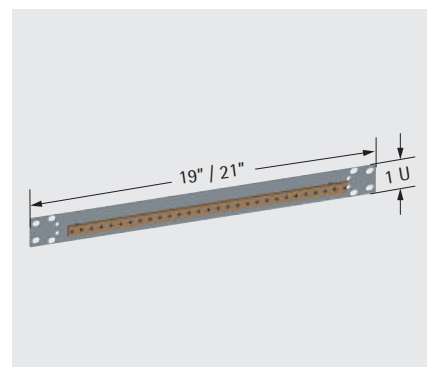- your company's logo can be affixed

Material:
plastic, black
Dimensions (H x W x D):
235 x 260 x 27 mm

Order no.
640-100

ETSI on 19 " adapter plate

- Adapter bracket for mounting 19" components in a 21" mounting frame
- The adapter brackets are simply mounted in the 21 "plane using a screw and cage nut.
- Set = 5 pairs

Material: sheet metal
Finish: galvanised

Description	Order no.
1 U	213-900-93
3 U	213-900-94

Potential equalization rail 19 "/ 21"

- can be installed in a 19 "and 21" plane
- Connection possibility: 27 x M 5
- Rail cross-section: 50 mm^2

Material:
sheet metal / copper
Finish:
galvanised
Dimensions (H x W x D):
44 x 535 x 19 mm

Order no.
582-030-27