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Cable management

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General accessories /
distribution technology

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You can read more about products from the apra-group at www.apra-norm.com

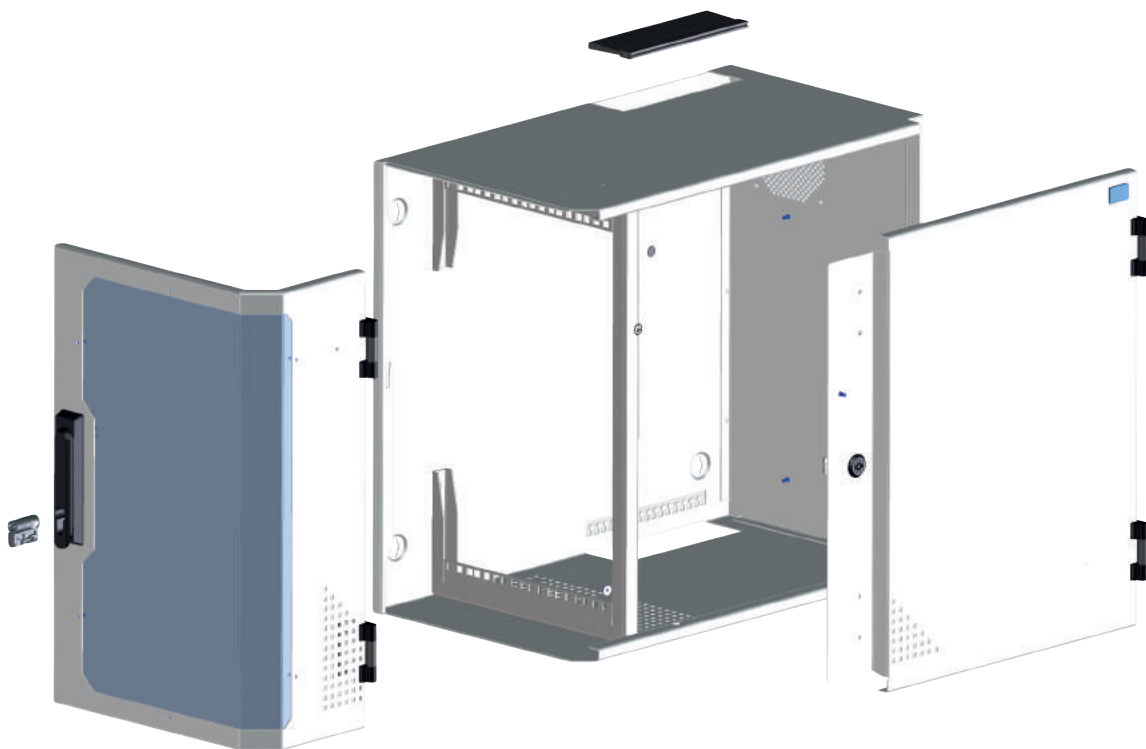


VARi 2000

THE REVOLUTION IN WALL ENCLOSURE TECHNOLOGY

The patent-protected wall-mounted enclosure provides you with a visually appealing and space-saving enclosure solution for your network cabling.

The conciseness of these housings lies in the construction, the 19" plane perpendicular to the wall to lay, so that the device installation depth does not project into the room



VARi 2000 Highlights

elegantes Design

Vertical 19"-plane

space-saving due to the small construction of the wall compared to standard wall housings

Installation also in a corner of a room or wall niche with full accessibility to the inside of the housing

With the 180° hinge, the VARi 2000 can also be installed in room corners with a full 19" opening.

Combined folding of the front and side door (profile half cylinder locking possible)

separate access authorisations for front and side door for 6 U and 12 U versions

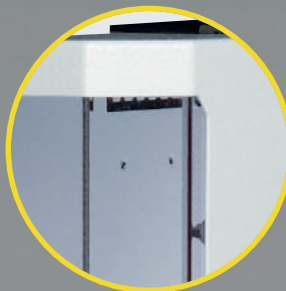
Simple climate solutions

Cable entry with integrated strain relief possible from above and below

Installation dimensions to IEC 60297-3-100



Swing lever lock from 6 U



Tinted inspection door

VARI 2000

elegant design
vertical 19"- plane
low wall construction



VARI 2000 4 U



VARI 2000 with split front and side door



180° opening angle



space-saving with single-
leaf door (4 U / 6 U)



213 • 19" wall-mounting enclosure **VARI 2000**

19" wall-mounting enclosure VARI 2000

The patented wall-mounted enclosure allows you the visually appealing and space-saving enclosure solution for your network cabling.

The conciseness of these housings lies in the design of laying the 19" plane vertically against the wall so that the device installation depth does not protrude into the room.

Application:

space-saving, wall-mounting enclosure for network cabling

Construction:

Robust spot-welded and powder-coated sheet steel construction

Material:

sheet metal / plastic

Finish:

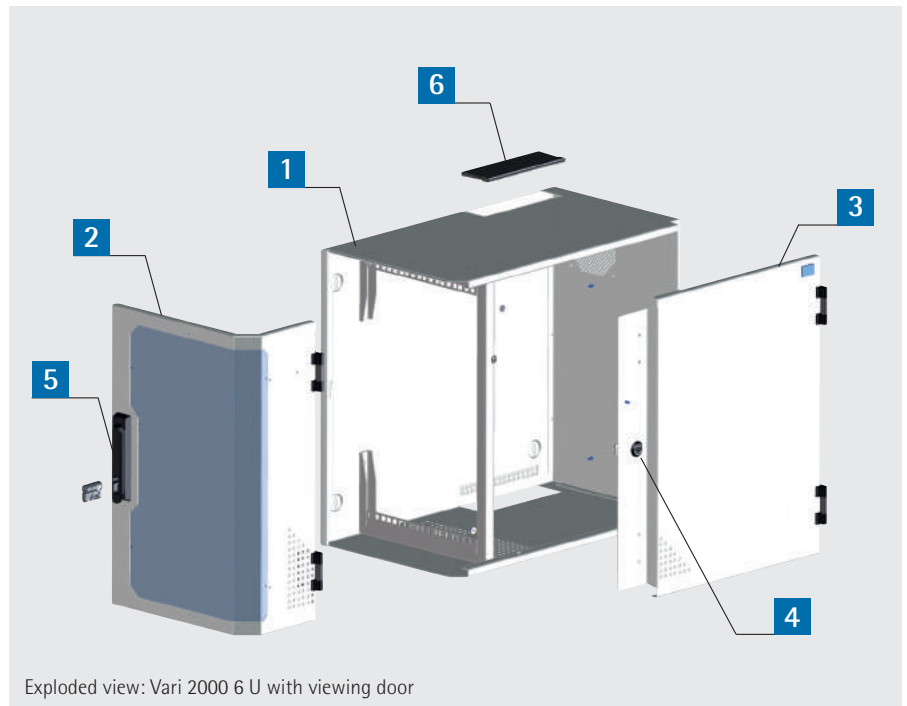
RAL 7035 light grey

Delivery:

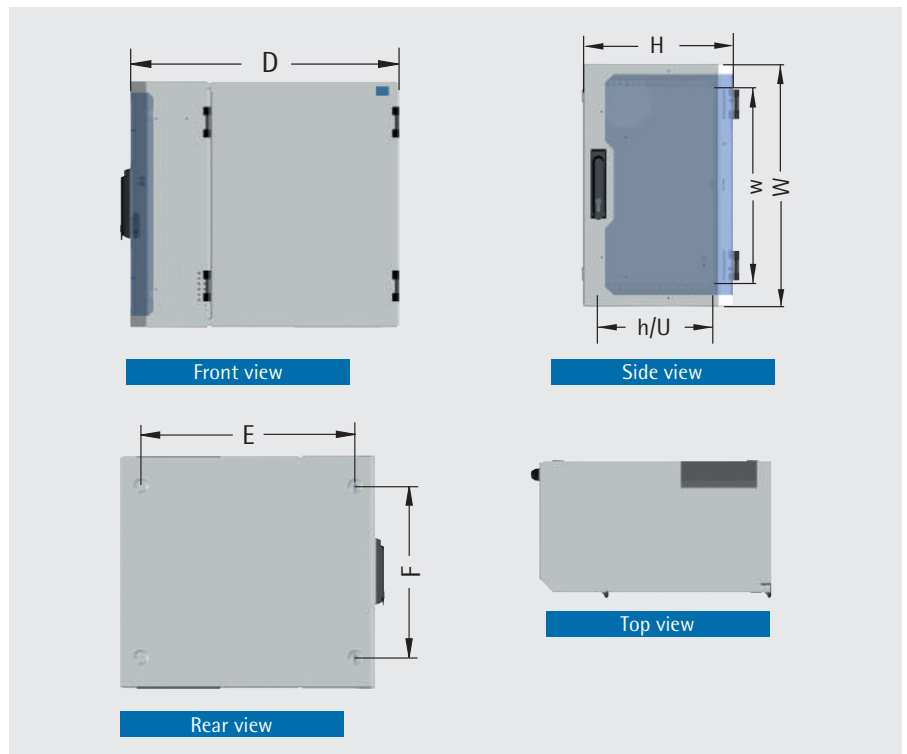
assembled (complete with earthing)

Standard

Installation dimensions to
IEC 60297-3-100



Exploded view: Vari 2000 6 U with viewing door



Delivery

Item	4 U	6 U	12 U	Description
1	1	1	1	Enclosure chassis
2	1	1	1	Door with acrylic glass pane / steel metal door
3	-	1	1	Door, solid
4	-	1	1	Turning lever lock
5	2	2	4	Sealing brush, W=210 mm
6	1	1	1	Mounting material

The 12 U wall mounting enclosure is based on two 6 U 19" fastening levels which are stacked under each other. The enclosure height H therefore remains low.

Description	Property	Dimensions (H x W x D) mm	Usable installation dimensions (hxwx d) mm	Fixing Material (E x F) mm	Order no.
VARI 2000 4 U	Enclosure with single-leaf door	230 x 506 x 536	177 x 450 x 383	410 x 360	213-031-00
VARI 2000 6 U		360 x 557 x 636	267 x 450 x 475	510,5 x 408,5	213-032-60
VARI 2000 6 U	Housing with two-part door	360 x 557 x 636	267 x 450 x 475	510,5 x 408,5	213-032-00
VARI 2000 12 U		360 x 1103 x 636	267 x 2x450 x 475	510,5 x 954,5	213-034-00



Mounting plate



- mounting plate for rear wall
- for mounting outlets/terminal boxes or other accessories

Finish:
galvanised

Order no.
213-030-20

Power strip (3-way)



- with overvoltage protection
- power cord (2.0 m) with earthing-pin plug
- attach to the rear wall of the enclosure
- length 335 mm

Order no.
591-200-00

Module "plug and play"



- temperature-controlled fan
- power strip, 3 sockets with overvoltage protection
- junction box
- power cord (2.0m) with earthing-pin plug
- protective equipotential bonding set

Order no.
213-030-41

Shelf 1 U, vertical



- for installation of **non-19"-compatible** components
- depth: 250 mm

Finish:
RAL 7035 light grey

Order no.
213-030-22

19" cable routing panel 1 U



- with 4 cable entry clamps made of metal
- for clear, neat and horizontal cable entry at the 19" level
- includes mounting material

Finish:
RAL 7035 light grey

Order no.
213-145-41

Profile half cylinder



- for 6 U and 12 U enclosures **(double-leaf door)**
- for retrofitting to lockable doors
- 2 keys included
- cylinder according to DIN 18252 (EN 1303)

Order no.
676-062



213 • 19" wall-mounting enclosure **VARI 2000**

Slider for profile half cylinders



- for holding semi-cylinders according to DIN 18252 (EN 1303)
- for retrofitting to semi-cylinder locking in the version with single-leaf door (4/6 U)
- L = 40 mm

Order no.

676-110-01

Pivoting lever lock

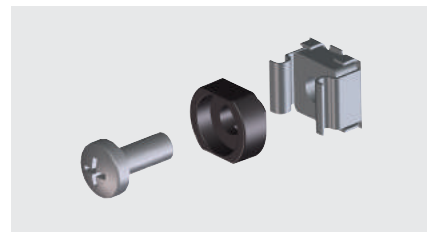


- for profile key locking for **single-leaf** door design 4 U /6 U variants

Order no.

676-197

19" Screw set M5 (50x)



- necessary for mounting of 19" components into racks or enclosures
- included in delivery:
 - 50 oval head screws M 5 x 12
 - 50 cage nuts M 5 - 8
 - 50 decorative washers M 5

Order no.

630-991

19" shelf 1 U "NETshelf"

- flexible application in all 19" cabinet and enclosure systems
- fast, tool-free assembly
- compact design
- attractive design thanks to rounded front surface
- only 1U required for mounting
- disassemble and resume at any time
- weight savings compared to conventional metal shelves
- passive ventilation by a perforated bottom
- cutouts in the bottom area allow to fix system components with Velcro tape (Velcro strap available as accessory)

Material:

plastic black, halogen free, UL94 - V1

Load capacity:

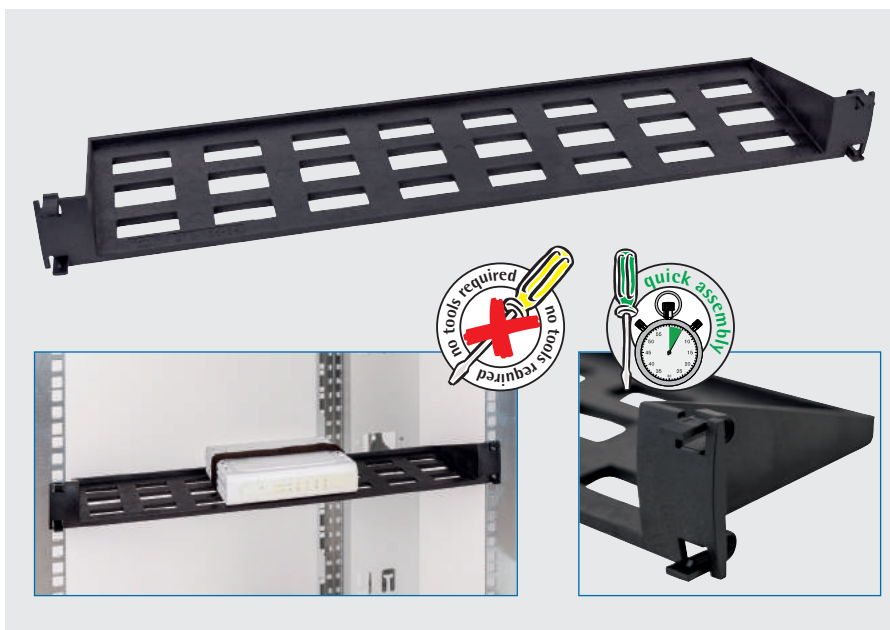
1 kg (distributed load)

Dimensions (H x W x D):

1 U (44 mm) x 19" (482,6 mm) x 116 mm

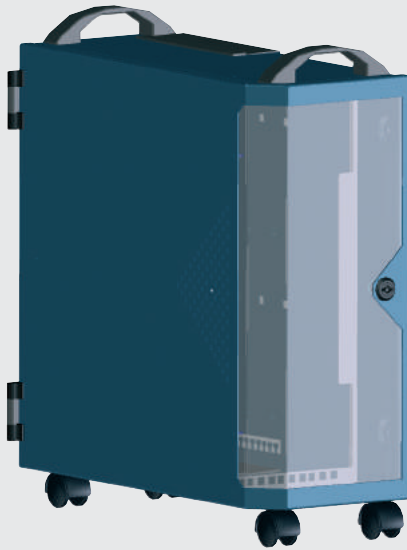
Floor space (w x d):

425 x 110 mm



Order no.

213-156-54

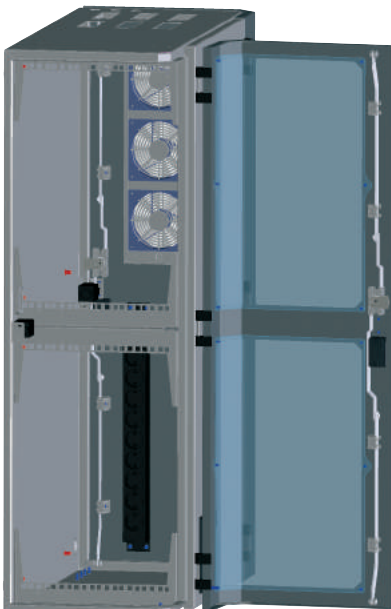


Housing for Small Office / Home Office

- applicable as wall-/ standing- and roll housing
- Basis VARI 2000, 4 U
- expandable with active ventilation - plug & play



Wall enclosure for industrial environments (IP 54)



- Basis VARI Industry 12 U (2 x 6 U)
- modified for the inclusion of active and passive network technology
- Delivery as plug & play solution

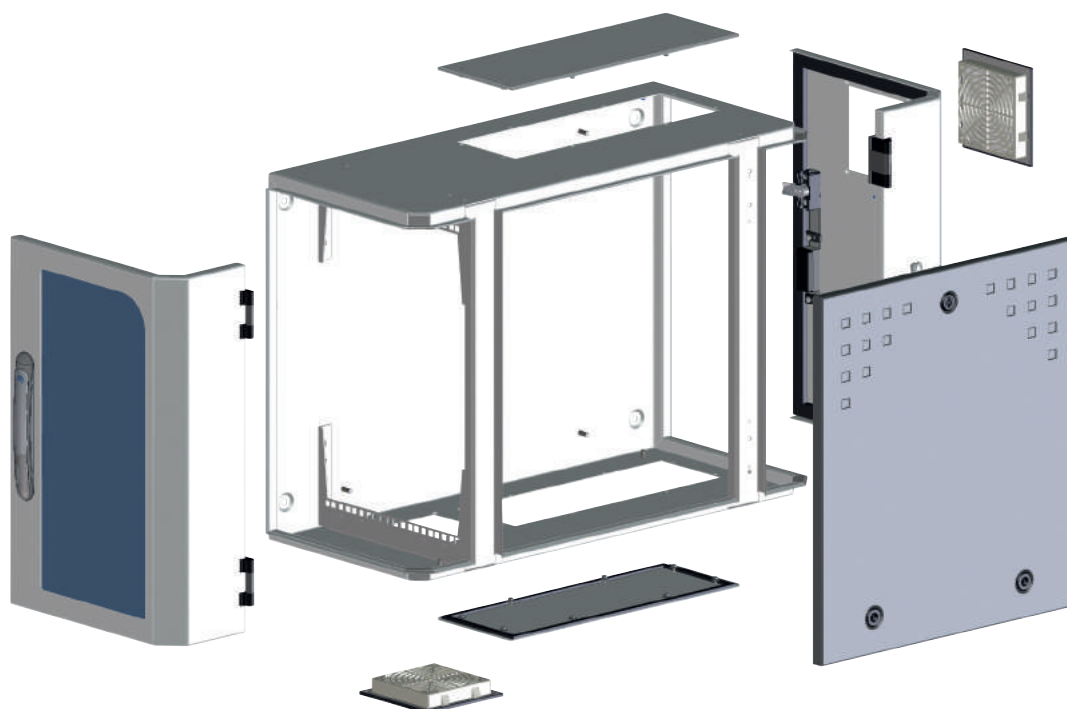


VARI Industry 2.0

WALL HOUSING TECHNOLOGY FOR EXTREME CONDITIONS

The visually striking and stylish enclosure is ideal for use as a compact switch cabinet solution or for network cabling in tougher environments. The high degree of protection (IP 54) and the stable structure of the enclosure protect your installations to optimum effect against dust, moisture and mechanical influences.

Enclosure height remains low due to vertical layout of 19" attachment level. The front and rear doors plus detachable front cover ensure optimum accessibility. Upper and lower cable flange plates enable the cable entry into the enclosure.



VARI Industry Highlights

Two-Color Design

Vertical 19"-plane

Space-saving compared to standard wall housings due to the low construction of the wall

Front and rear door with 180° hinge:
can also be used in room corners at full 19" opening
be installed

Semi-cylinder lock possible

Protection class IP 54

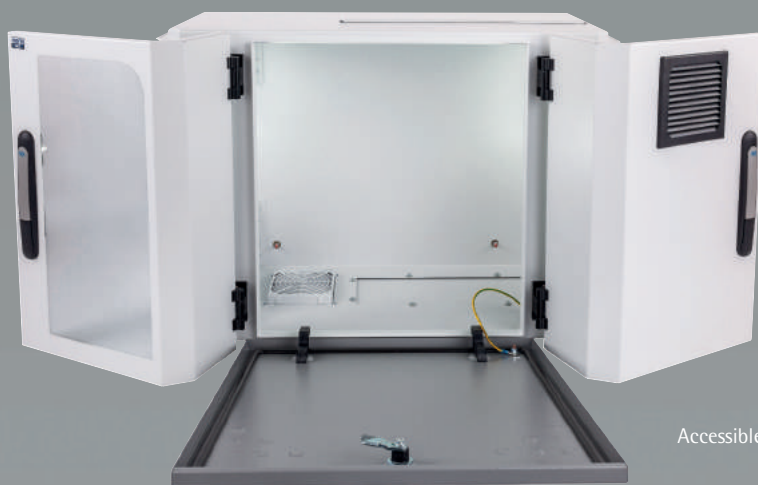
Air conditioning options via fan or air conditioner

Cable entry from above and below possible

Installation dimensions to IEC 60297-3-100



Two-color Design



Accessible from all sides



Swing lever lock



VARiindustry

Two-Color Design, accessible
from all sides,
vertical 19"-plane



306 • 19" wall-mounting enclosure **VARI**industry 2.0

VARI Industry

Application:

Use as wall-mounting enclosure for tight spaces and unfavourable environmental conditions such as high humidity and dust

Construction:

sturdy spot-welded and powder-coated sheet metal construction

Finish:

RAL 7035 light grey / RAL 7037 dusty grey

Protection class:

IP 54

Load capacity:

70 kg (static)

Standards:

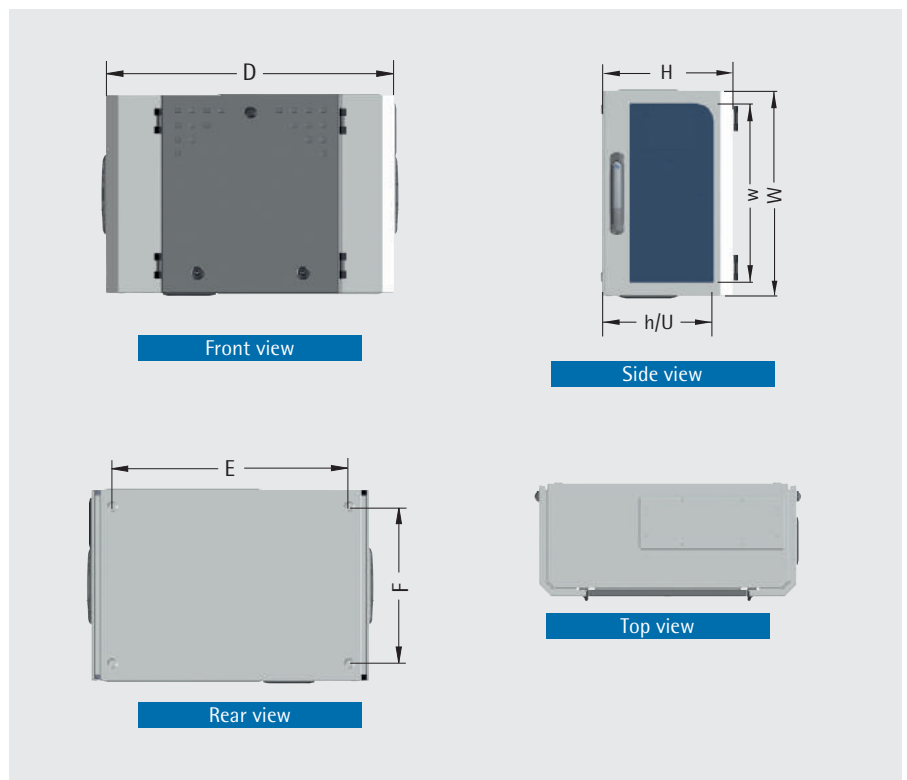
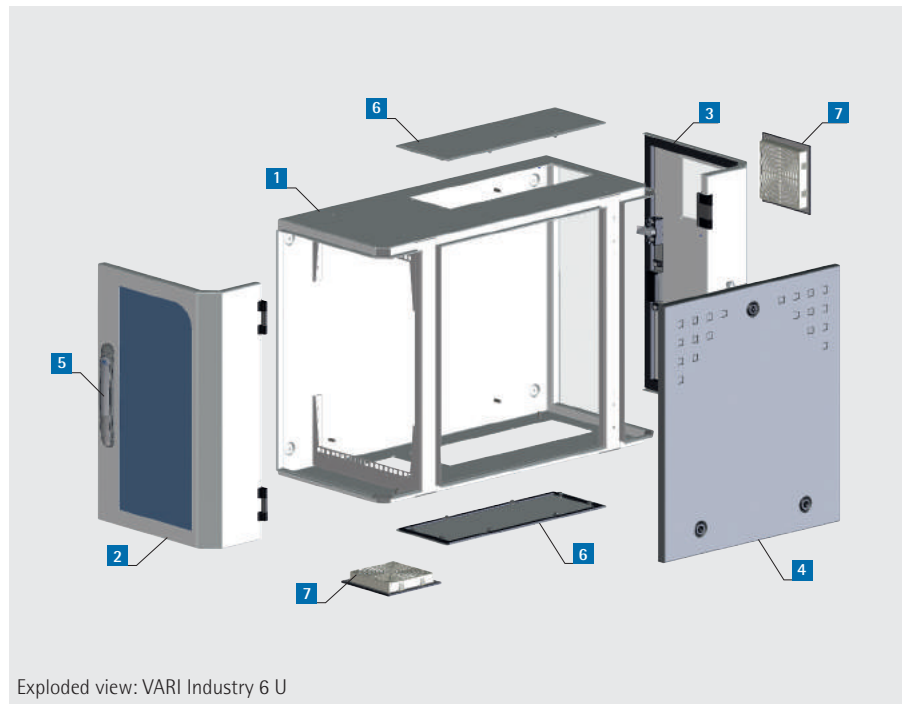
Installation dimensions to IEC 60297-3-100

Delivery:

assembled
Wall mounting dimensions

Delivery

Item	pc.	Description
1	1	Enclosure chassis
2	1	Door with plexiglas pane
3	1	Door with cutout for fans
4	1	Front cover, detachable
5	2	Turning lever locks with tipp button opening
6	2	Cable flange plates
7	2	Outlet filter, IP 54, for 119 x 119mm fans
	1	Mounting material



Description	Outer dimensions (H x W x D) mm	Usable installation dimensions (h x w x d) mm	Wall mounting dimensions (E x F) mm	Order no.
VARI Industry 4 U	275 x 560 x 840	177 x 449 x 650	680 x 450	306-040-80
VARI Industry 6 U	365 x 560 x 840	267 x 449 x 650	680 x 450	306-060-80



VARi Industry "cool box" 6 U

- air-conditioned wall-mounting enclosure for industrial environments
- 380 W cooling unit can be assembled on the detachable front cover

Finish:

RAL 7035 light grey / RAL 7037 dusty grey

Dimensions (H x W x D):

522 mm x 560 mm x 840 mm

Degree of protection:

IP 54

Delivery:

prepared for mounting of cooling unit
(cooling unit included in delivery)

Order no.
306-060-20



Sample configuration · Colouring does not correspond to standard colours.





Power strip (3-way)



- with overvoltage protection
- power cord (2.0m) with earthing-pin plug
- attach to the rear wall of the enclosure
- length 335 mm

Order no.
591-200-00

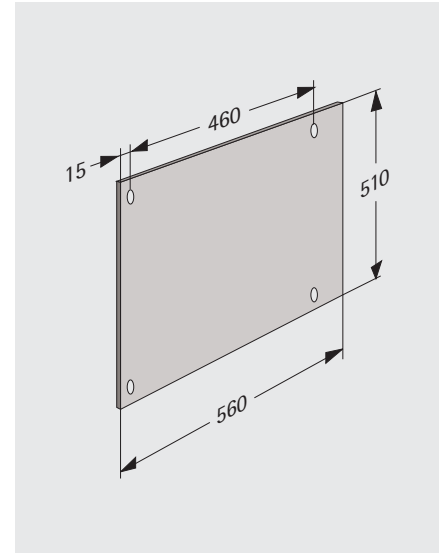
Module "plug and play"



- temperature-controlled fan
- power strip, 3 sockets with overvoltage protection
- junction box
- power cord (2.0m) with earthing-pin plug
- protective equipotential bonding set

Order no.
213-030-41

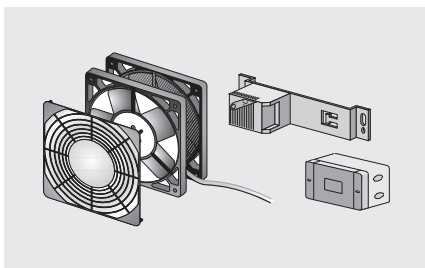
Mounting plate



- for mounting of components
 - includes mounting material
- Finish:**
galvanised

Order no.
306-060-70

Fan set



- Fan set consisting of:
- fan, 230 V, 160 m³/h, 41 dB(A)
 - fan guard
 - outlet
 - thermostat, 0-60°C
- Delivery:**
assembly set with mounting mat.

Order no.
306-060-15

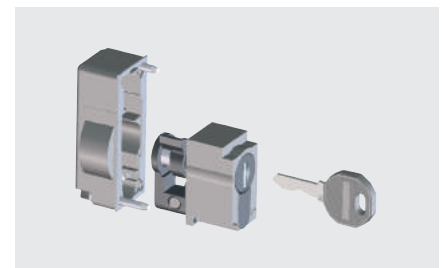
Pivoting lever lock



- for profile key lock of the front cover

Order no.
676-197

Profile semi-cylinder 45°



- Profile half cylinder with lock EK 333 for pivoting lever lock
- for retrofitting on lockable doors with key
- including 2 keys

Order no.
676-316-00



Cover panel with multi gland plate



- for mounting in break-outs
- incl. multi cable gland plate for installation of different cable diameters (IP54 / see table)
- incl. mounting material

Number	cable-Ø
2	3,5 - 11 mm
5	10 - 14 mm
12	14 - 18 mm
5	14 - 22 mm
1	14 - 35 mm

Description	Order no.
Cover Plate Type 1	501-002-70

Number	cable-Ø
50	7 - 13 mm
1	15 - 25 mm

Description	Order no.
Cover Plate Type 2	501-002-75

Material:

cover plate: sheet metal
cable gland: reinforced plastic compound, UL94 V0

Finish:

cover: RAL 7035 light grey

"Universal" velcro strip



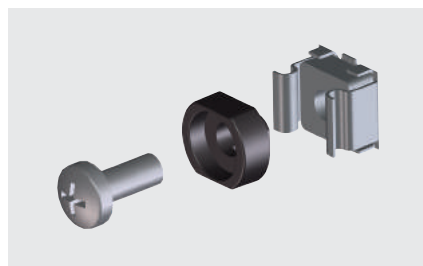
- for quickly securing **non 19"-compatible** components
- length: 300 mm, width: 20 mm
- back to back mounting
- set = 10 pieces

Material:

velcro, black

Order no.
671-122-08

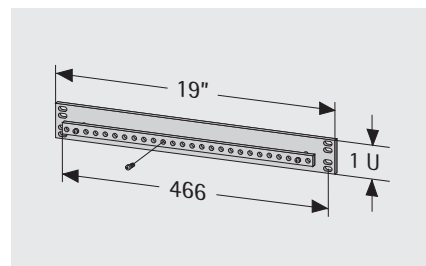
Screw set M 5 / M 6 (50-fold)



- necessary for mounting of 19" components into racks or enclosures
- included in delivery:
 - 50 oval head screws M 5 x 12
 - 50 cage nuts M 5 - 8
 - 50 decorative washers M 5

Description	Order no.
M 5	630-991
M 6	630-994

19" Potential equalisation bar 1 U



- for 19" or cabinet rack installation
- connection options: 27 x M 5
- rail cross-section: 50 mm²

Material:

sheet steel, copper

Order no.
640-028-00



350 • optiRACK wall-mounting enclosure

optiRACK

The optiRACK wall mounting/stand-alone enclosure makes networking installations simple, since the detachable door and side panels enable optimum accessibility inside the enclosure. Cabling can therefore be performed in the open rack. The two-coloured design and the chamfered front upgrade its appearance significantly. The standard colour of the design profile is RAL 5014 (pigeon blue); other colours may be supplied on request.

- protection class IP 20
- stylish enclosure solution
- optimum accessibility
- installation in just a few steps
- the coloured profile may be used as thematic coding. Through the use of coloured profiles in corporate colours, corporate identity can also be expressed in the network installation.

Application:

space-saving wall-mounting enclosure for network cabling

Material:

sheet steel

Finish:

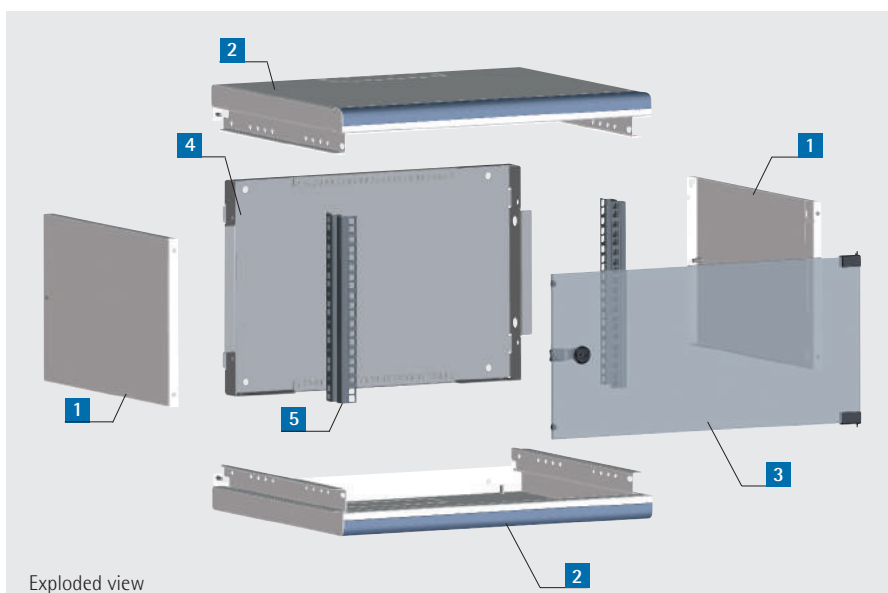
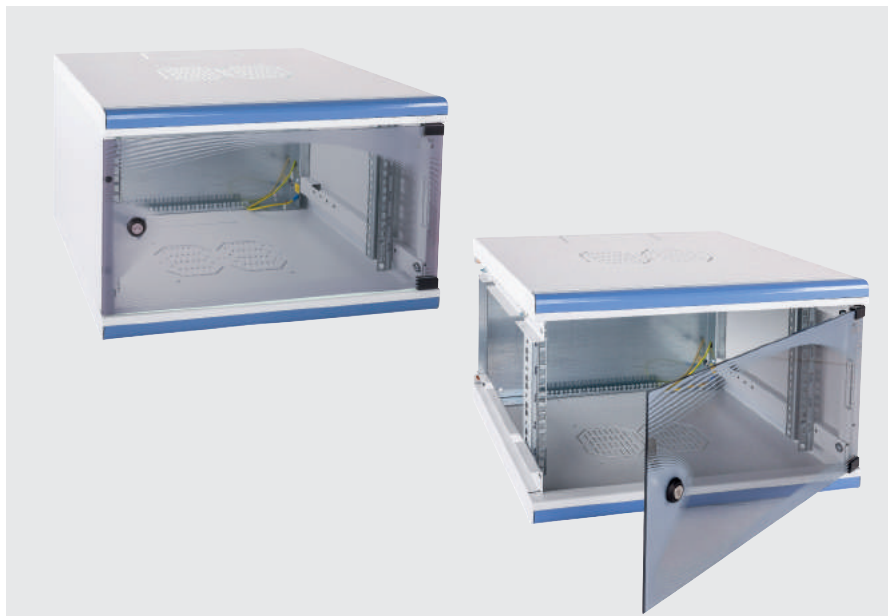
Enclosure: painted RAL 7035 light grey

Design profile: painted in RAL 5014

pigeon blue

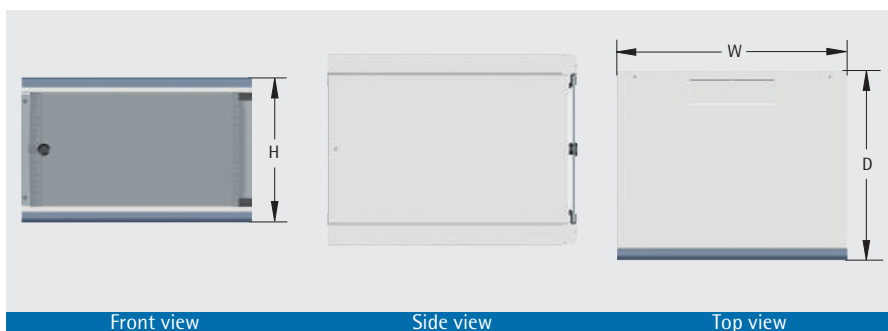
Delivery:

flatpack (disassembled)



Delivery

Item	pc.	Description
1	2	Side panels
2	2	Top/bottom plate with precut openings for cable entry
3	1	Viewing door with 180° hinge (profile locking EK333)
4	1	Rear wall
5	2	Individually depth adjustable 19" vertical mountings
	1	equipotential bonding set
	1	Cable entry brush



Description	Outer dimensions (H x W x D) mm	Order no.
optiRack 6 U	345 x 550 x 450	350-002-06
optiRack 9 U	480 x 550 x 450	350-002-09
optiRack 12 U	612 x 550 x 450	350-002-12
optiRack 15 U	745 x 550 x 450	350-002-15



optiRACK „silent“ underbench cabinet

- sound-insulating enclosure with viewing door
- detachable side panels
- 19" expansion 12 U variable depth

Available in two versions:

Version 1 "passive":

with ventilation grille (prepared without fan for passive ventilation of the enclosure)

Version 2 "active":

prepared with speed-controlled fan for active ventilation of the enclosure (fan: 12 V DC, 150 m3/h free-blowing, 37 dB(A))

Material:

sheet metal

Finish:

enclosure: RAL 7035 light grey

Design profile: RAL 5014 pigeon blue (other colours on request)

Dimensions (H x W x D):

12 U (615 mm) x 550 x 600 mm

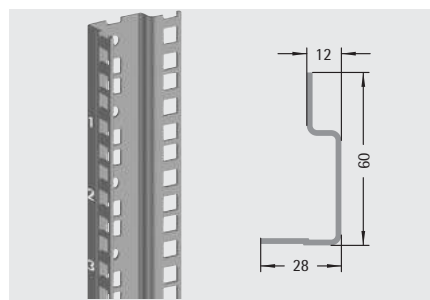
Delivery:

assembled



Description	Order no.
Version 1 "passive"	350-001-60
Version 2 "active"	350-001-61

19" vertical mounting

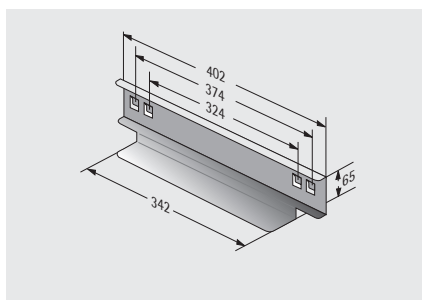


- with U-labelling
- height: 12 U

Material:

sheet metal, galvanised

Slide rail, hook-in



- hooked in the 19" vertical mountings
- to support heavy 19" plug-in units
- two 19" levels are required

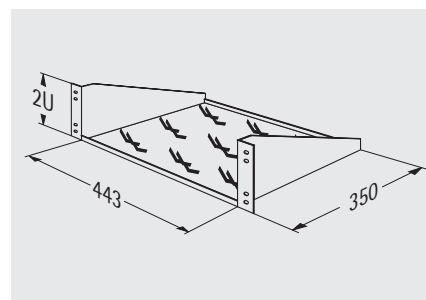
Material:

Stahlblech 1,5 mm, galvanised

Load capacity:

50 kg

19" shelf 2 U, fixed



- 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.
316-120-12

Order no.
316-544-00

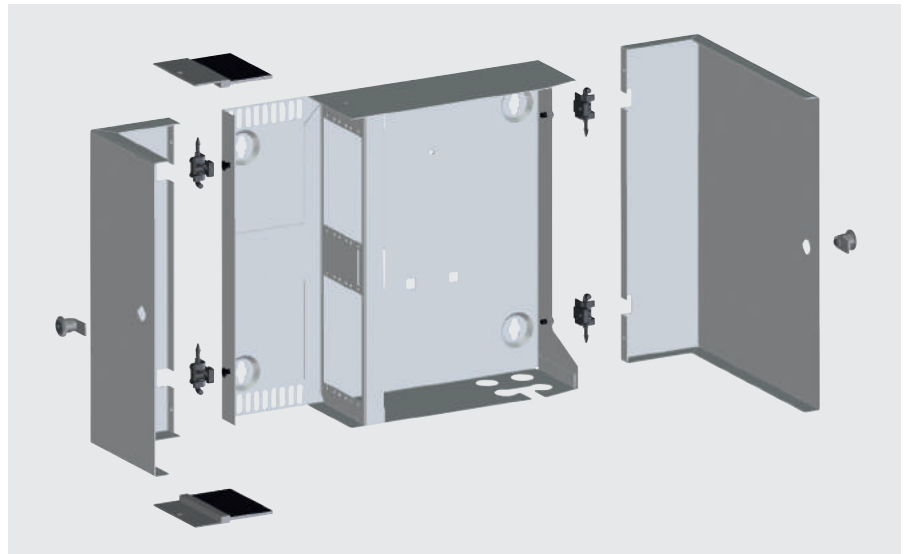
Order no.
315-810-20



213 • LAN small distribution cabinet

Small LAN distribution cabinet

- compact dimensioned housing
- Separation of patch room and cable entry area by two lockable doors with different locking systems
- Modular distribution field frame, which can accommodate up to four partial front panels 3 U / 8 HP
- suitable for mixed data plug mounting (Gf / Cu hybrid equipment)
- active components such as e.g. Mini-HUBs can be easily integrated
- Cable entry with brush seal at top and bottom
- Cable entry in patch room over max. 4 PG16 fittings (M20)



Material:

sheet metal

Finish:

RAL 7035 light grey

Dimensions (H x W x D):

405 mm x 100 mm x 330 mm

Delivery:

assembled



Simple configuration with mini-hub CAT.6 und LSA-Plus

two locking systems

integrated brush seal

Upon request, you will receive customized front panels according to your specifications!

Delivery

Item	pc.	Description
1	1	Enclosure chassis
2	2	Door with different locking systems
3	2	Brush seals
4	1	Distribution panel

Order no.

213-020-15

FO front panels 3 U, 8 HP

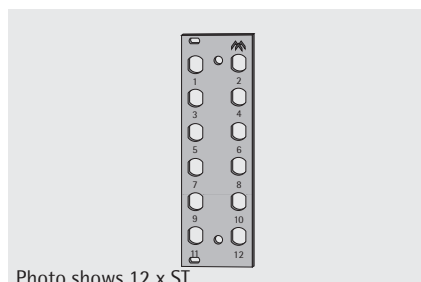


Photo shows 12 x ST

- for assembly of the non-configured FO small distribution cabinet
- front panels are numbered consecutively
- a maximum of 4 part front panels can be integrated into the LAN small distribution cabinet

Material: aluminium 2,5 mm

Finish: anodised

Front panels for other plug-in connectors on request!

Description	Order no.
Front panel 12 x ST	213-308-01
Front panel 12 x SC (6 x SC-Duplex)	213-308-02
Blind panel 3 U, 8 HP	243-308-00

CAT.6A, 6-way/12-way

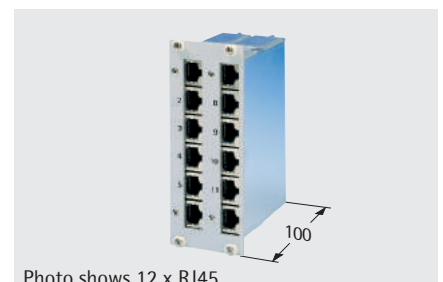


Photo shows 12 x RJ45

- shielded CAT.6A distribution panel
- 6-way RJ 45 (3 U / 8 HP) or 12-way RJ 45 (3 U / 10 HP)
- metal enclosure with large lowimpedance galvanised surfaces
- LSA Plus connecting system
- labelled aluminium front panel

Finish:

Front panel: anodised

Enclosure: galvanised

Description	Order no.
6-way distribution panel	213-503-10
12-way distribution panel	213-503-30



Further accessories for our wall housings can be found here:

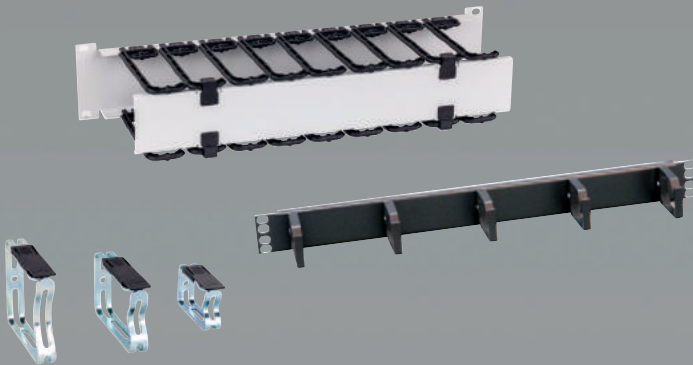
✓ Power distribution system

Socket strips and other power supply components can be found from page 137 onwards.



✓ Cable management

Suitable cable routing solutions such as cable brackets, patch panels etc. can be found from page 163 onwards.



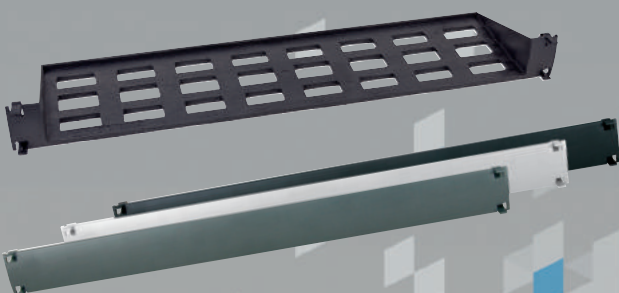
✓ Distribution technology

DIN rail solutions, module technology, splice boxes and distribution panels can be found from page 169 onwards.



✓ General accessories

Shelves, blind plates, slide rails and other useful accessories can be found from page 177 onwards.



This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Questions for the sales team:
