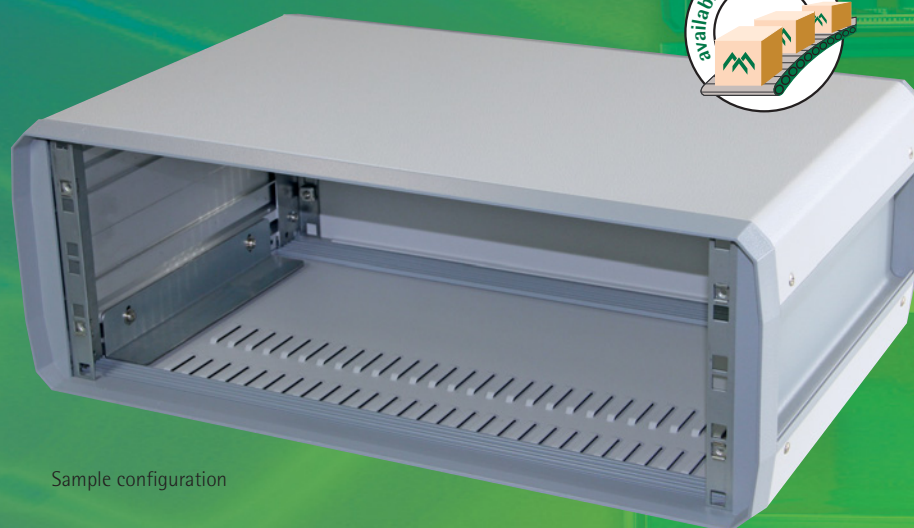




Universal enclosure system for use as
19" enclosure and as desktop enclosure

apra line



Sample configuration

apraLine has a future-oriented design and optimum functionality. Its elegant lines set it apart from the usual rectangular shaped enclosures.

The apraLine product family is completed by a desktop enclosure with the same design (see the section on desktop enclosures on page 149).

19" enclosure system **apra line**

- ergonomic recessed handles
- easy-to-maintain and cost-saving design principle: all facing panels can be easily removed from the assembled enclosure
- optimum heat dissipation due to ventilated bottom and back pieces
- earthing kit for VDE-compliant earth connection acc. to DIN EN 60204 part 1 and DIN 46008
- installation dimensions acc. to IEC 60297-3-100

Matching 19" plug-in units

page 65

Matching 19" subracks

page 79



19" enclosure system apra line

Application:

19" plug-in units, shelves and 19" sub-racks can be installed in the enclosure.

Construction:

the identical front and rear frames with a variable width consist of two lateral plastic pieces, which are connected with aluminium extrusions.

These frames are connected by solid extrusions and screwed on to the mounting rails. Ergonomic recessed handles and grooves for using mounting nuts are integrated into the extrusions.

Finish:

cover panels:

RAL 7035 light grey

frame and side sections:

RAL 7001 silver grey

Protection system:

IP 30: not ventilated

IP 20: ventilated

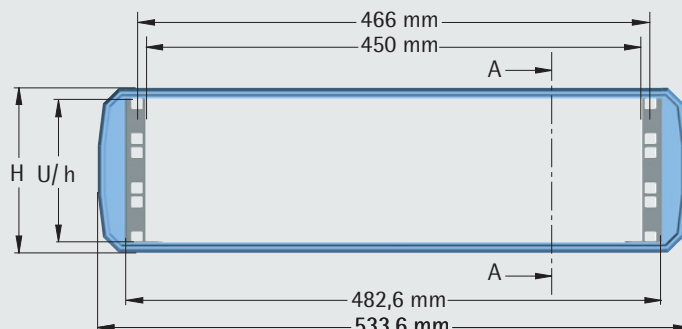
Delivery:

assembled

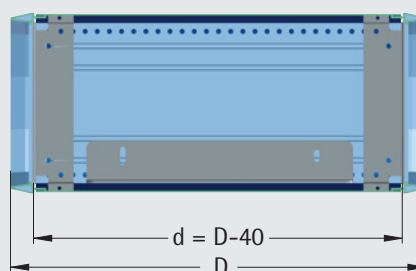
Standard:

installation dimensions acc. to

IEC 60297-3-100



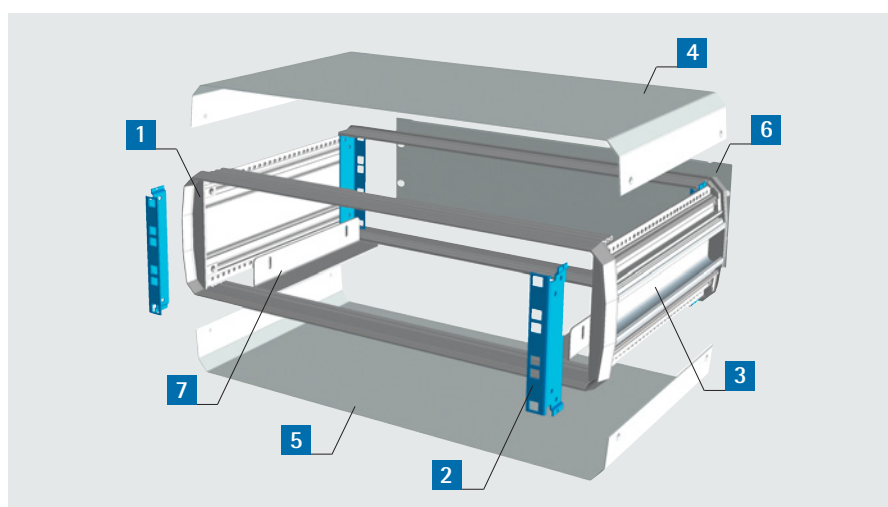
front view
H = enclosure height
U / h = installation height



section A-A
D = enclosure depth
d = installation depth

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
7	2	Sliding rails (beginning at 3 U)
8		Assembly material

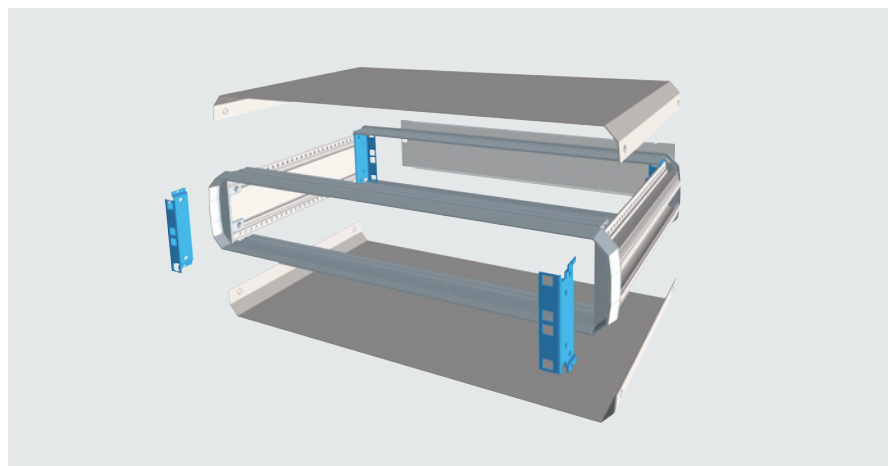




19" enclosure 2 U

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
8		Assembly material

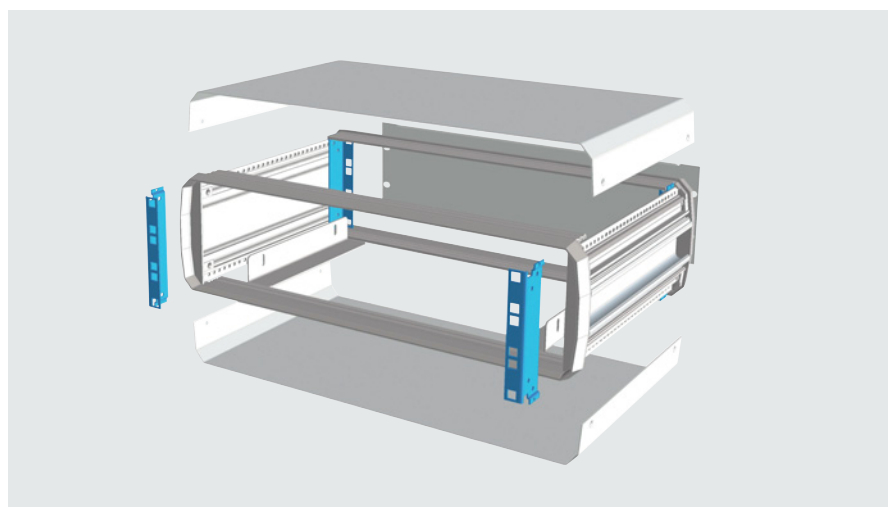


D mm	d mm	Description	Enclosure height H mm	Order no.
262	222	not ventilated	105	140-201
262	222	ventilated in rear and bottom panel	105	140-251
302	262	not ventilated	105	140-211
302	262	ventilated in rear and bottom panel	105	140-261

19" enclosure 3 U

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
7	2	Sliding rails
8		Assembly material



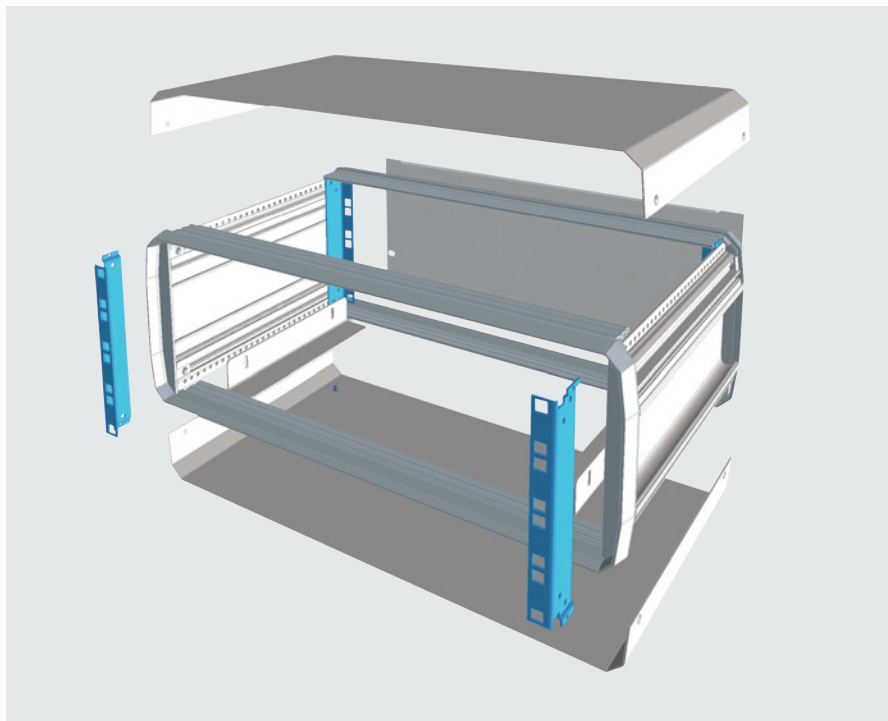
D mm	d mm	Description	Enclosure height H mm	Order no.
262	222	not ventilated	150	140-301
262	222	ventilated in rear and bottom panel	150	140-351
302	262	not ventilated	150	140-311
302	262	ventilated in rear and bottom panel	150	140-361
342	302	not ventilated	150	140-321
342	302	ventilated in rear and bottom panel	150	140-371
382	342	not ventilated	150	140-331
382	342	ventilated in rear and bottom panel	150	140-381
482	442	not ventilated	150	140-341
482	442	ventilated in rear and bottom panel	150	140-391



19" enclosure 4 U

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/ not ventilated)
6	1	Rear panel (ventilated/ not ventilated)
7	2	Sliding rails
8		Assembly material



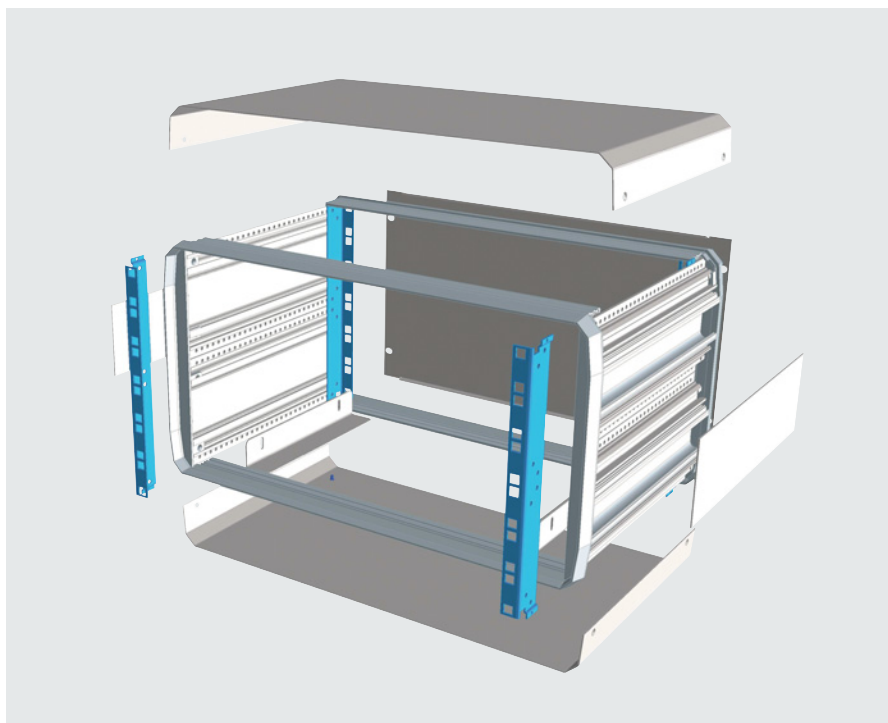
D mm	d mm	Description	Enclosure height H mm	Order no.
262	222	not ventilated	194	140-401
262	222	ventilated in rear and bottom panel	194	140-451
302	262	not ventilated	194	140-411
302	262	ventilated in rear and bottom panel	194	140-461
342	302	not ventilated	194	140-421
342	302	ventilated in rear and bottom panel	194	140-471
382	342	not ventilated	194	140-431
382	342	ventilated in rear and bottom panel	194	140-481
482	442	not ventilated	194	140-441
482	442	ventilated in rear and bottom panel	194	140-491



19" enclosure 6 U

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
7	2	Sliding rails
8		Assembly material



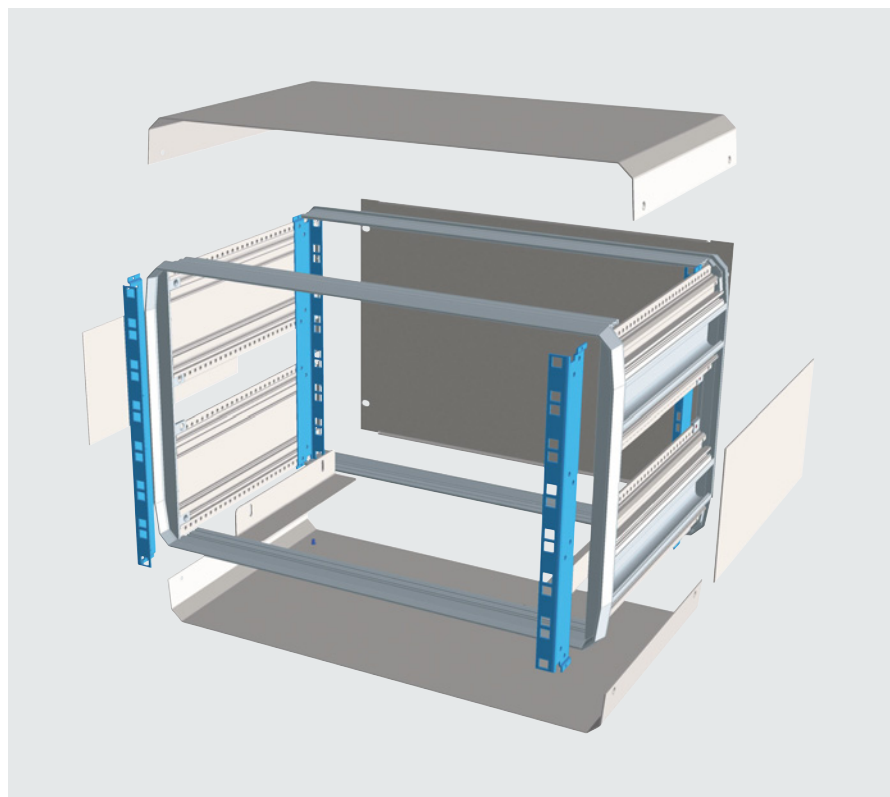
D mm	d mm	Description	Enclosure height H mm	Order no.
262	222	not ventilated	283	140-601
262	222	ventilated in rear and bottom panel	283	140-651
302	262	not ventilated	283	140-611
302	262	ventilated in rear and bottom panel	283	140-661
342	302	not ventilated	283	140-621
342	302	ventilated in rear and bottom panel	283	140-671
382	342	not ventilated	283	140-631
382	342	ventilated in rear and bottom panel	283	140-681
482	442	not ventilated	283	140-641
482	442	ventilated in rear and bottom panel	283	140-691



19" enclosure 7 U

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
7	2	Sliding rails
8		Assembly material



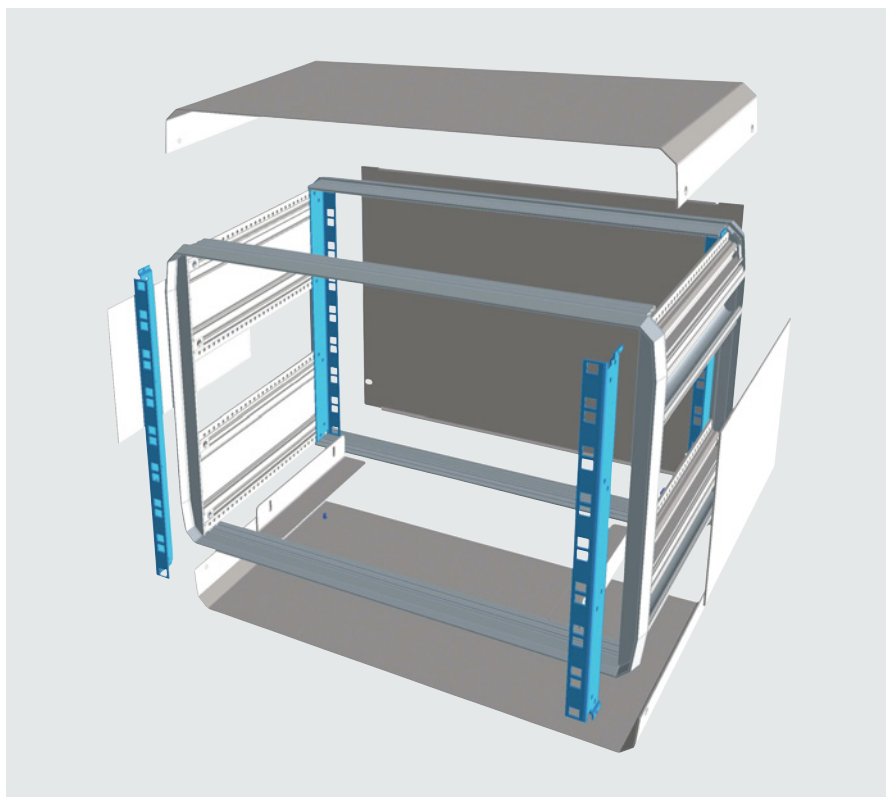
D mm	d mm	Description	Enclosure height H mm	Order no.
342	302	not ventilated	328	140-721
342	302	ventilated in rear and bottom panel	328	140-771
382	342	not ventilated	328	140-731
382	342	ventilated in rear and bottom panel	328	140-781
482	442	not ventilated	328	140-741
482	442	ventilated in rear and bottom panel	328	140-791



19" enclosure 8 U

Delivery

Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
7	2	Sliding rails
8		Assembly material



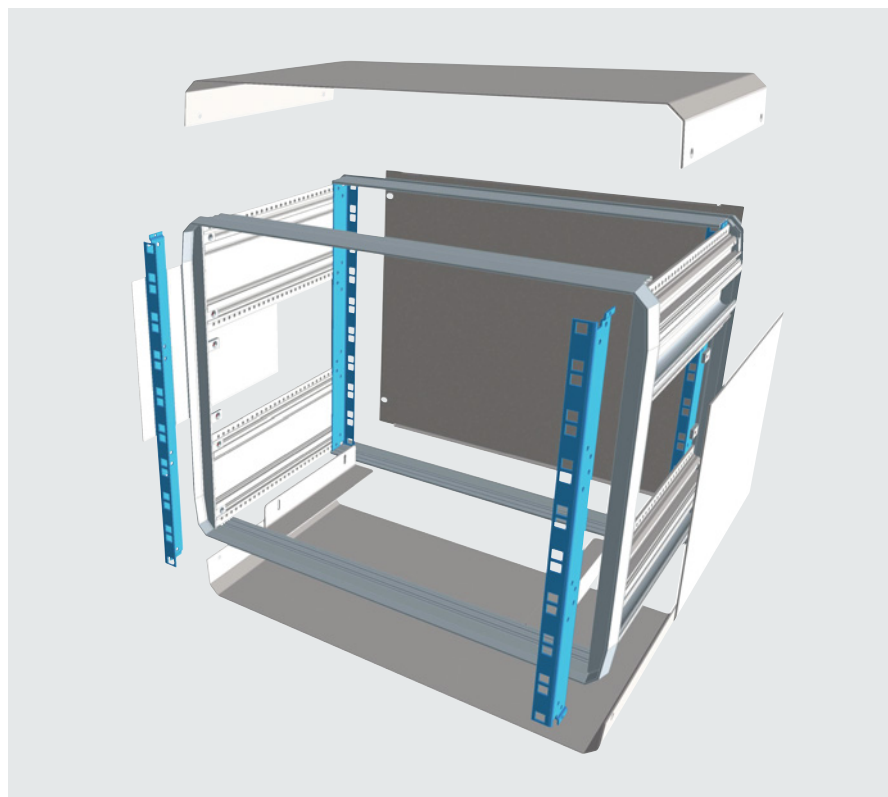
D mm	d mm	Description	Enclosure height H mm	Order no.
262	222	not ventilated	372	140-801
262	222	ventilated in rear and bottom panel	372	140-851
302	262	not ventilated	372	140-811
302	262	ventilated in rear and bottom panel	372	140-861
342	302	not ventilated	372	140-821
342	302	ventilated in rear and bottom panel	372	140-871
382	342	not ventilated	372	140-831
382	342	ventilated in rear and bottom panel	372	140-881
482	442	not ventilated	372	140-841
482	442	ventilated in rear and bottom panel	372	140-891



19" enclosure 9 U

Delivery

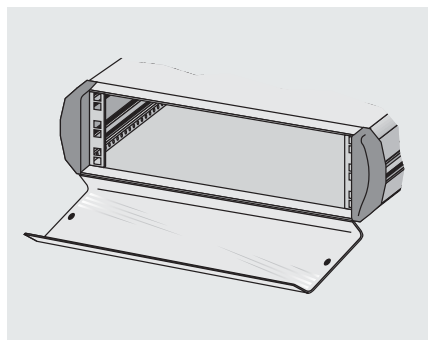
Item	Pc.	Description
1	2	Frames front and rear
2	4	Vertical mountings
3	2	Side panels
4	1	Top panel
5	1	Bottom panel (ventilated/not ventilated)
6	1	Rear panel (ventilated/not ventilated)
7	2	Sliding rails
8		Assembly material



D mm	d mm	Description	Enclosure height H mm	Order no.
262	222	not ventilated	416,50	140-901
262	222	ventilated in rear and bottom panel	416,50	140-951
302	262	not ventilated	416,50	140-911
302	262	ventilated in rear and bottom panel	416,50	140-961
342	302	not ventilated	416,50	140-921
342	302	ventilated in rear and bottom panel	416,50	140-971
382	342	not ventilated	416,50	140-931
382	342	ventilated in rear and bottom panel	416,50	140-981
482	442	not ventilated	416,50	140-941
482	442	ventilated in rear and bottom panel	416,50	140-991



Plexiglas front door, hinged

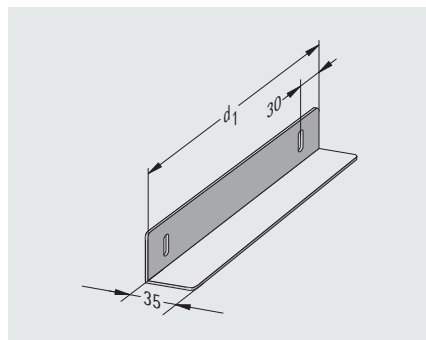


- with 2 quick-release locks

Delivery:

mounted to the enclosure

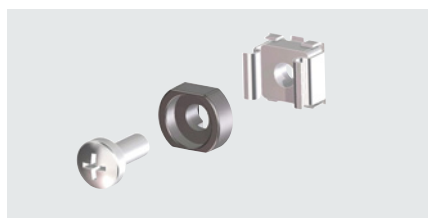
Sliding rails



for 8 U-high enclosures: please specify order no. followed by -01 when ordering (for example, 140-020-01)

Description	Install. depth d1 mm	Order no.
for D=262 mm	140	140-020
for D=342 mm	220	140-022
for D=482 mm	360	140-024

Screw set M 5 (50-fold)



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

Order no.
630-991

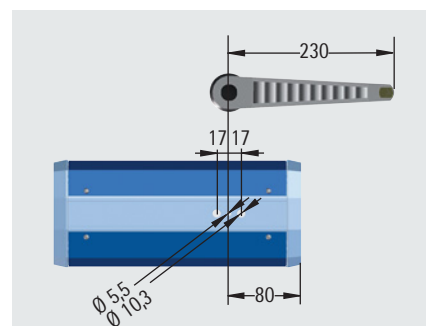
Front panel fixing (50-fold)



- no cage nuts required
- to mount lightweight 19" components such as dummy or front panels
- clamping range (front panel + grid): 4 - 6 mm
- consisting of:
 - 50 lens head screws M 5 x 12
 - 50 washers for screws M 5, flattened

Order no.
630-991-10

Prop-up and carrying handle



Hole pattern for handle mounting

- handle can be set in 30° steps by pressing a button to snap it into place

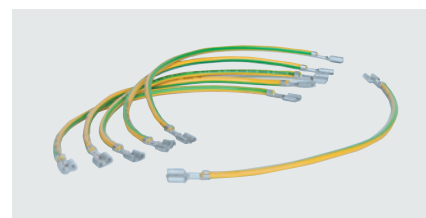
Finish: RAL 9011 graphite black

Load capacity: 50 kg

Delivery: mounted to the enclosure

Order no.
140-100-84

Earthing kit



- for earthing of all enclosure parts in compliance with VDE

Installation height U	Order no.
2	140-032
3	140-033
4	140-034
6	140-036
7	140-037
8	140-038
9	140-039