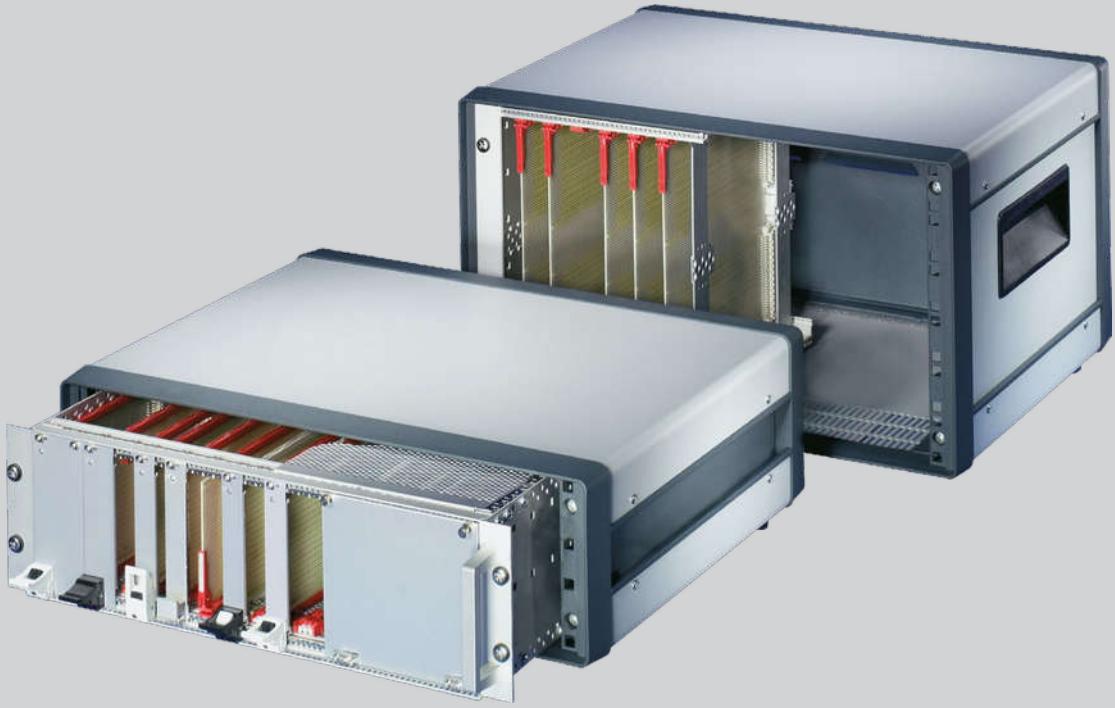


CONNECT AND PROTECT

Comptec

nVent

SCHROFF

Desk-top cases – Comptec

OVERVIEW

MAIN KATALOG

Cabinets 1

Wall mounted cases 2

Accessories for cabinets and wall mounted cases . . 3

Climate control . . 4

Electronics cases 5

Subracks/ 19" chassis 6

Front panels, plug-in units 7

Systems 8

Power supply units 9

Backplanes 10

Connectors, front panel component system 11

Appendix 12



02202003

STANDARDS

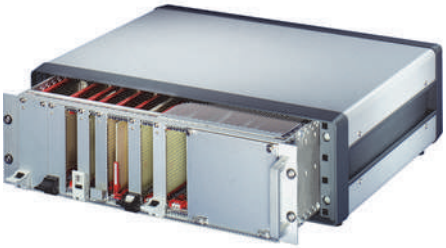
- Internal dimensions in accordance with IEC 60297-3-100
- Type of protection IP 20 in accordance with IEC 60529
- Protective ground connections in accordance with:
  DIN EN 50178/VDE 0160
  DIN EN 62368-1/VDE 0805
  DIN EN 61010-1/VDE 0411 part 1
  DIN EN 61010-1A2/VDE 0411 part 1/A1

Desk-top cases – Comptec

OVERVIEW

CASE TO ACCEPT 19" SUBRACKS OR 19" CHASSIS

- Internal assemblies of up to 40 kg
- Up to six rows of ventilation slots in the base plate for optimal air inlet
- High stability
- Front and rear identical, depth-symmetrical construction
- With handle strip or recessed grip



02202004



02202005

CASE

- Al die-cast frame front and rear
- Top cover and base plate can be subsequently removed
- Top cover and base plate fitted with hidden GND/earth connections
- Case height 3, 4, 6, 7 and 9 U
  (cladding parts in steel)
- Case height 9 U and 12 U
  (cladding parts in aluminium)

SERVICEPLUS

e.g. modifications (cut-outs, special colours)
e.g. custom solutions (special sizes)
e.g. assembly service from 1 piece

Overview 5.100

comptec
3, 4 U, St 5.102
6, 7, 9 U, St 5.103
9, 12 U, Al 5.104

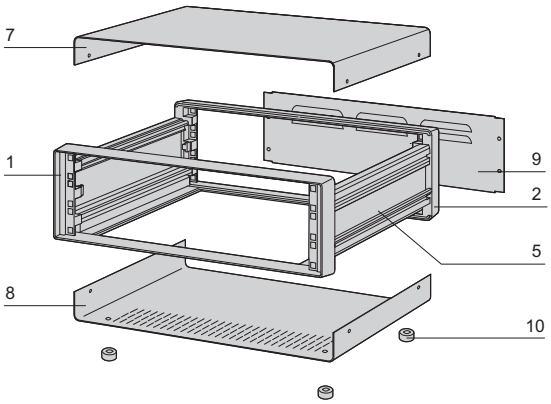
Accessories
Folding handle . . . 5.105
Slide rails 5.105
Earthing kit 5.106
Assembly kit 5.106
Tip-up feet 5.107

Desk-top cases – Comptec

19" CASE, 3 U, 4 U

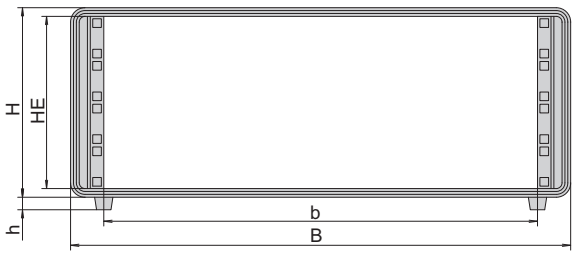


02202001



CTTP0001

Front view



CTA30677

h = case foot height, HE = U, internal usable height

Side view



CTA42313

Usable width b = B - 69 mm, h = height of case foot

- Desk-top case (pre-fitted)
- Top cover, base plate and rear panel in steel
- Front and rear frames in die-cast Al
- Ventilation slits in base plate
- Ventilation gills in rear panel
- Side panel with integral handle function

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Front frame, Al die-cast, RAL 7016, with 19" grid
2	1	Rear frame, Al die-cast, RAL 7016, with 19" grid
5	2	Side panel, Al extrusion, RAL 7016
7	1	Cover plate, Al, 1 mm, RAL 9006, with GND/earthing tag
8	1	Base plate, Al, 1 mm, RAL 9006, with GND/earthing tag
9	1	Rear panel, St, 1 mm, RAL 9006, with GND/earthing tag
10	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
11	1	Assembly kit

Items 1, 2, 5 and 9 fitted.

ORDER INFORMATION

Height H		h	Depth D	Usable depth d	Width B	Part no.
U	mm	mm	mm	mm	mm	
3	153	13.0	300	276	520	**10225-601**
3	153	13.0	400	376	520	**10225-612**
3	153	13.0	500	476	520	**10225-623**
4	198	13.0	300	276	520	**10225-602**
4	198	13.0	400	376	520	**10225-613**
4	198	13.0	500	476	520	**10225-624**

NOTE

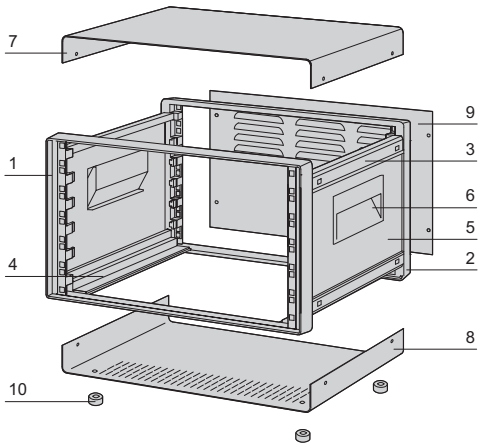
- Please order GND/earthing kit separately, see page 5.106
- The case foot, item 10, can be replaced by a tip-up foot, see page. 5.107
- Please order slide rails separately, see page 5.105

Desk-top cases – Comptec

19" CASE, 6 U, 7 U, 9U

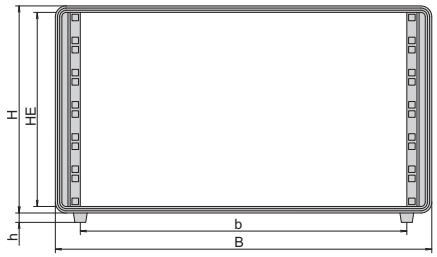


02202002



CTTP0002

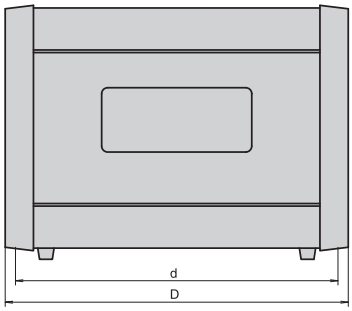
Front view



CTA30676

h = case foot height, HE = U, internal usable height

Side view



CTA42312

Usable depth d = D - 24 mm

- Desk-top case (pre-fitted)
- With handle shell
- Top cover, base plate and rear panel in steel
- Front and rear frames in die-cast Al
- Ventilation slits in rear panel and base

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Front frame, Al die-cast, RAL 7016, with 19" grid
2	1	Rear frame, Al die-cast, RAL 7016, with 19" grid
3	2	Side profile at top, Al extrusion, RAL 7016
4	2	Side profile at bottom, Al extrusion, RAL 7016
5	2	Side panel, St, 1.5 mm, RAL 9006, with GND/earthing tag
6	2	Handle shell, ABS, RAL 9005, UL 94 V-0, load-carrying capacity: 60 kg/pair
7	1	Cover plate, St, 1 mm, RAL 9006, with GND/earthing tag
8	1	Base plate, St, 1 mm, RAL 9006, with GND/earthing tag
9	1	Rear panel, St, 1 mm, RAL 9006, with GND/earthing tag
10	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
11	1	Assembly kit

Items 1, 2, 3, 4, 5, 6 and 9 fitted.

ORDER INFORMATION

Height H		h	Depth D	Usable depth d	Width B	Part no.
U	mm	mm	mm	mm	mm	
6	286	13	300	276	520	**10225-604**
6	286	13	400	376	520	**10225-615**
6	286	13	500	476	520	**10225-626**
6	286	13	600	576	520	**10225-637**
7	331	13	400	376	520	**10225-616**
7	331	13	500	476	520	**10225-627**
7	331	13	600	576	520	**10225-638**
9	420	13	400	376	520	**10225-618**
9	420	13	500	476	520	**10225-629**
9	420	13	600	576	520	**10225-640**

NOTE

- Please order GND/earthing kit separately, see page 5.106
- The case foot, item 10, can be replaced by a tip-up foot, see page 5.107
- Please order slide rails separately, see page 5.105
- Handle shell, item 6, can be replaced by a folding handle, see page 5.105

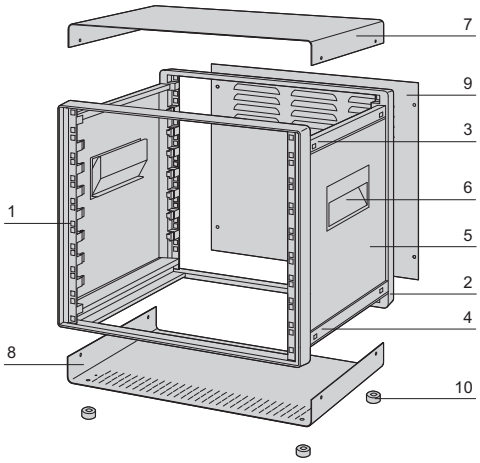
Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

Desk-top cases – Comptec

19" CASES 9 AND 12 U, ALUMINIUM

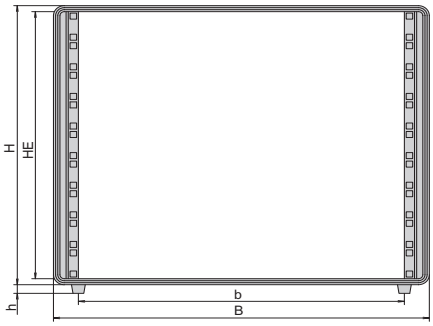


02202006



CTTP0003

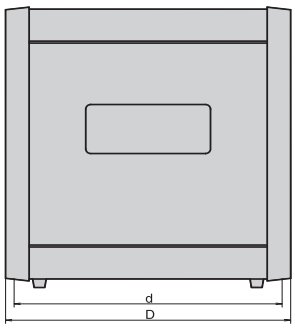
Front view



CTA30679

Usable width b = B - 69 mm, h = height of case foot

Side view



CTA42314

Usable depth d = D - 24 mm

- Desk-top case (pre-fitted)
- With handle shell
- Top cover, base plate and rear panel in Al
- Front and rear frames in die-cast Al
- Ventilation slots in base plate
- Air vents in rear panel

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Front frame, Al die-cast, RAL 7016, with 19" grid
2	1	Rear frame, Al die-cast, RAL 7016, with 19" grid
3	2	Side profile at top, Al extrusion, RAL 7016
4	2	Side profile at bottom, Al extrusion, RAL 7016
5	2	Side panel, Al, 1.5 mm, RAL 9006, with GND/earthing tag
6	2	Handle shell, ABS, RAL 9005, UL 94 V-0, load-carrying capacity: 60 kg/pair
7	1	Cover plate, Al, 1 mm, RAL 9006, with GND/earthing tag
8	1	Base plate, Al, 1 mm, RAL 9006, with GND/earthing tag
9	1	Rear panel, Al, 1 mm, RAL 9006, with GND/earthing tag
10	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
11	1	Assembly kit

Items 1, 2, 3, 4, 5, 6 and 9 fitted.

ORDER INFORMATION

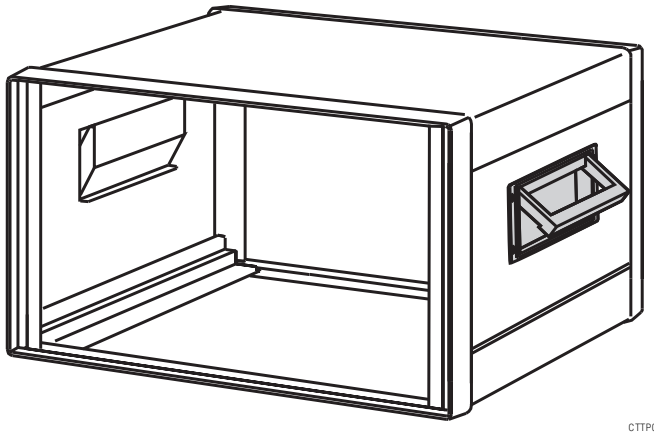
Height H		h	Depth D	Usable depth d	Width B	Part no.
U	mm	mm	mm	mm	mm	
9	420	13	400	376	520	**10225-667**
9	420	13	500	476	520	**10225-682**
9	420	13	600	576	520	**10225-693**
12	553	13	400	376	520	**10225-670**
12	553	13	500	476	520	**10225-685**
12	553	13	600	576	520	**10225-696**

NOTE

- Please order GND/earthing kit separately, see page 5.106
- The case foot, item 10, can be replaced by a tip-up foot, see page 5.107
- Please order slide rails separately, see page 5.105
- Handle shell, item 6, can be replaced by a folding handle, see page 5.105

Desk-top cases – Comptec

FOLDING HANDLE



CTTP0006

- Folding handles can be used instead of the pre-fitted handle shells
- Load-carrying capacity: 50 kg/pair

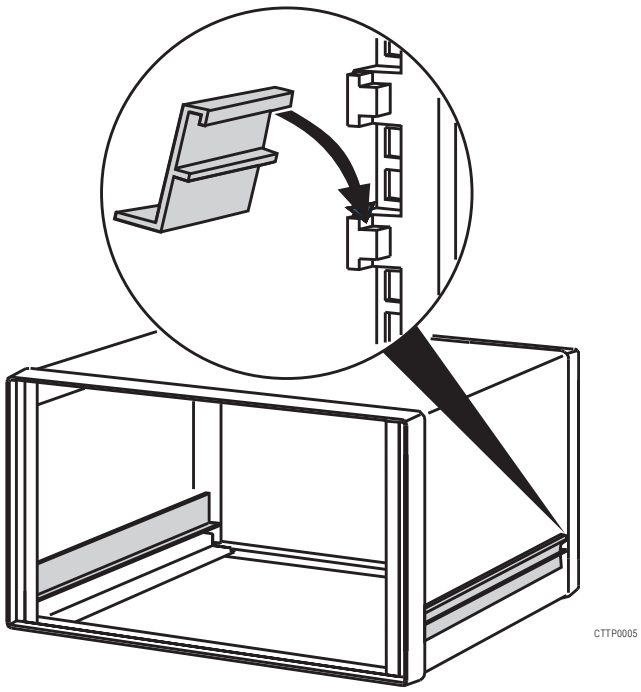
DELIVERY COMPRISES (kit)

Item	Qty	Description
1	2	Folding handle, Al die-cast, RAL 7016
2	1	Assembly kit

ORDER INFORMATION

Description	Part no.
Folding handle	**20225-439**

SLIDE RAILS



CTTP0005

- Slide rails are suitable as support for 19" subracks and 19" chassis

DELIVERY COMPRISES

Item	Qty	Description
1	1	Slide rail, Al extrusion, 2 mm, anodised, cut edges plain, static load-carrying capacity 10 kg

ORDER INFORMATION

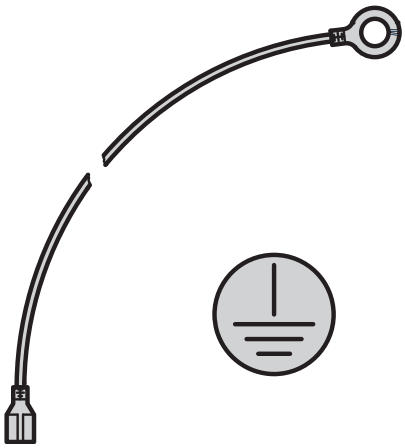
For case depth mm	Part no.
300	**30225-089**
400	**30225-090**
500	**30225-091**
600	**30225-092**

NOTE

- 2 slide rails are required per subrack or 19" chassis
- Slide rail cannot be used for shielded 19" subracks; special slide rails available on request

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

GND/EARTHING KIT



aza43284

- The GND/earthing kit allows VDE compliant earthing of cases in accordance with:
  EN 50178/VDE 0160
  EN 62368-1/VDE 0805
  EN 61010-1/VDE 0411 part 1
  EN 61010-1A2/VDE 0411 part 1/A
- VDE tested

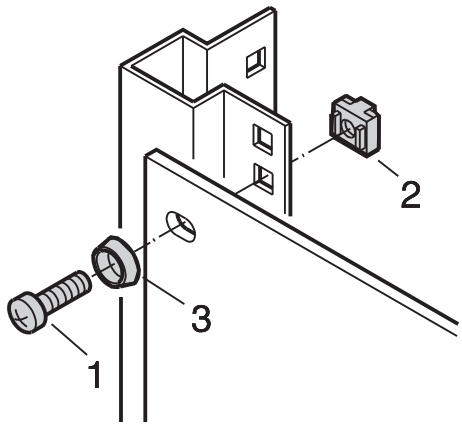
DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	GND/earthing kit, Cu wire, 1.5 mm^2, PVC sheathing, green/yellow, connects side panels, cover, base plate and rear panel

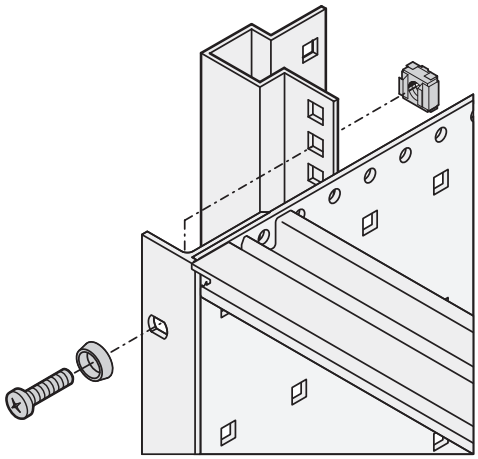
ORDER INFORMATION

Description	Up to 4 U Part no.	bigger than 4 U Part no.
GND/earthing kit for cases with steel covers	**21100-490**	**21100-448**
GND/earthing kit for cases with aluminium covers	**–**	**21100-347**

19" FIXING



SC128XXX



06108055

- For fitting subracks or 19" chassis in a comptec case
- For fixing 19" front panels

DELIVERY COMPRISES

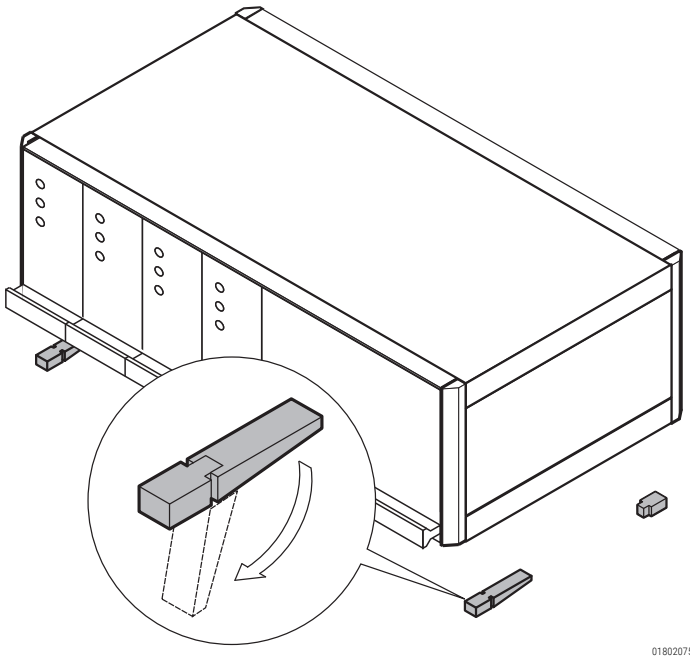
Item	Description
1	Screw M6 × 16, zinc-plated with Pozidrive
2	Cage nut M6, zinc-plated
3	Plastic washer, ABS, black

ORDER INFORMATION

Description	Part no.
PU = 8 × screw, washer, nut	**21100-435**
PU = 50 each of M6 screw, washer and cage nut	**21101-809**
PU = 100 each of M6 screw, washer and cage nut	**21101-810**

Desk-top cases – Comptec

PLASTIC TIP-UP FEET



- Static load-carrying capacity 25 kg per foot
- Tip-up feet can be used instead of the case feet fitted as standard
- Fixing holes provided in bottom of case

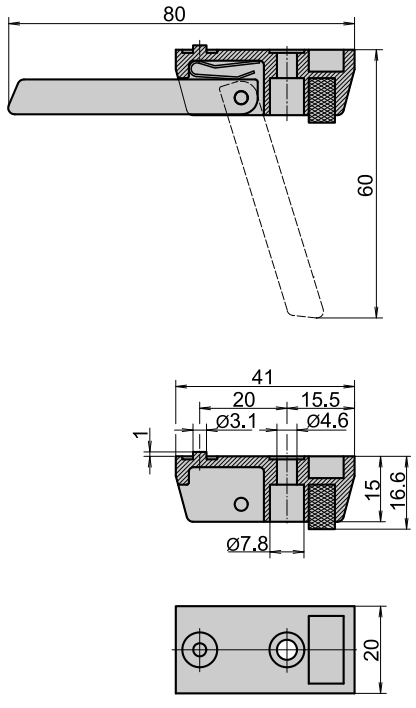
DELIVERY COMPRISES (kit)

Item	Qty	Description
1	4	Foot, PA, UL 94 V-0
2	4	Anti-slip protection, TPE
3	2	Tip-up device, PA, UL 94 V-0
4	1	Assembly kit

ORDER INFORMATION

Description	RAL 7016 anthracite Part no.	RAL 9006 silver Part no.
Plastic tip-up foot	**20603-002**	**20603-001**

TIP-UP FOOT IN DIE-CAST AL



- Static load-carrying capacity 50 kg per foot
- Tip-up feet can be used instead of the case feet fitted as standard
- Fixing holes provided in bottom of case

ORDER INFORMATION

Description	Qty	Part no.
Foot with tip-up, Al die-cast, silver	1 piece (SPQ 10)[1)]	**10603-002**
Foot without tip-up, Al die-cast, silver	1 piece (SPQ 10)[1)]	**10603-001**
Cheesehead screw with slot M4 x 12, St, zinc-plated, PU 100 pieces		**21101-211**
Hexagon nut M4, St, zinc-plated, PU 100 pieces		**21100-211**
Spring washer A4, St, zinc-plated, PU 100 pieces		**21100-207**

1) Part no. comprises 1 piece;
delivery is in standard pack quantity (SPQ):
please order a minimum of 10 feet or a multiple

Desk-top cases – Introduction

CASE TYPES: DESK-TOP ENCLOSURE/19" CASE



Desk-top enclosure, ratiopacPRO



19" case, comptec

Desk-top enclosures

Our desk-top cases are used to house PCBs (euroboards) or individual components

The choice is yours:

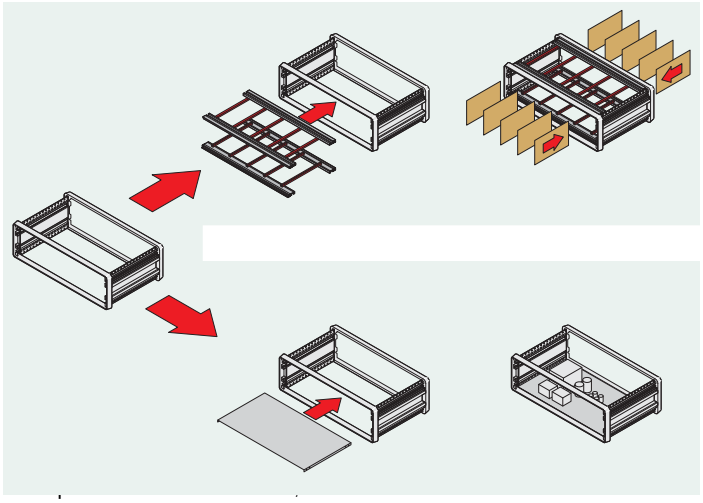
- ratiopacPRO, the universal case with 19" compatible dimensions and high EMC shielding,
  e.g. for CompactPCI and VME64x applications
- propacPRO, the robust case with high EMC shielding for 19"-compatible or custom electronics assemblies
- compacPRO, Desk-top or portable case for unshielded applications

19" cases

Our comptec cases are comparable with small cabinets and are used to house 19" components such as subracks, 19" fan trays or 19" front panels

All desk-top enclosures have a very low weight owing to the materials used and are also suitable for mobile use

APPLICATIONS FOR DESK-TOP ENCLOSURES



The most important user domains for desk-top enclosures are:

- Fitting with euroboards in accordance with IEC 60297



- Fitting with individual electrical or mechanical components, e.g.on mounting plates



ONE PRODUCT PLATFORM AND EXTENSIVE ACCESSORIES



- Practical technology without time-consuming assembly. The modular product platform of these cases allows a wide range of possible uses with only a small number of components.

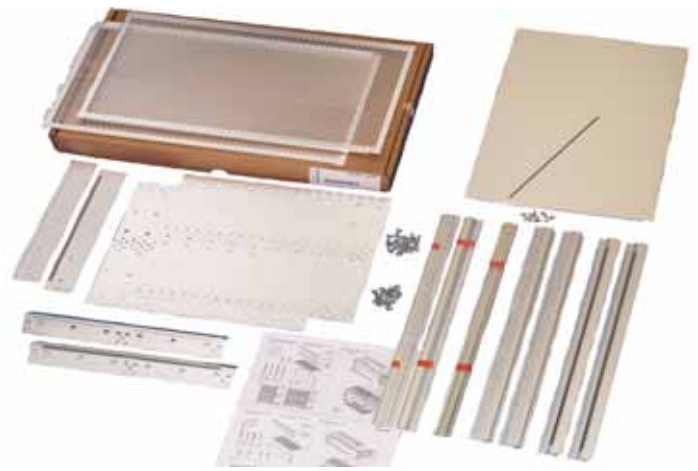
  The intelligent design of all components results in an astonishingly quick and easy assembly of the components.

  With our PRO product platform we offer you full compatibility of all individual components and accessories, also with our europacPRO subracks.

  Standard desk-top enclosures can also be adapted easily and with little effort for mobile applications.

Desk-top cases – Introduction

FORMS OF DELIVERY FOR DESK-TOP ENCLOSURES



06104001

Flat pack delivery to save space

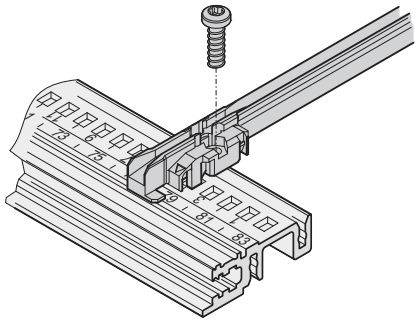
Supplied in space-saving packs. Simply unpack parts and screw together - done.

Depending on the kit chosen the threaded insert, the perforated rail or the EMC gasket is pre-assembled on the horizontal rail.

We offer you three forms of delivery:

- Pre-assembled kit for use with 160 mm deep euroboards, frame fitted, cladding parts and guide rails supplied loose.
- Pre-assembled kit for individual configuration, frame assembled, cladding parts supplied loose.
- Ready assembled cases to your specifications. With our ServicePLUS option you can order ready-assembled cases, with drilled holes and cut-outs and individual front panels - if necessary even by express service.

GUIDE RAIL



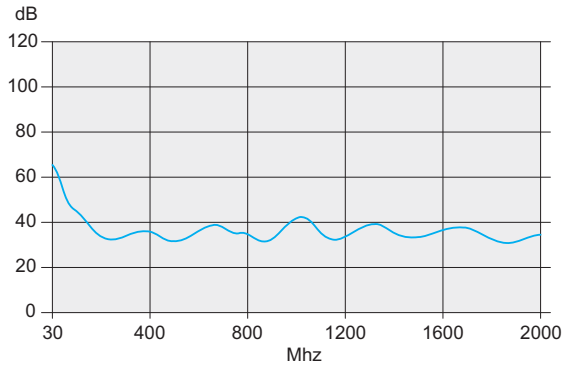
06108084

- Guide rails form the interface between the mechanics of the case and the electronics assembled (PCBs, plug-in units, frame type plug-in units, drive unit modules, etc.).

  Robust snap-in fixings on the plastic rails assure that the components are held securely, even when exposed to vibrations.

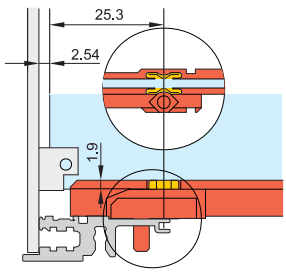
  Guide rails can also be screwed on.

EMC AND ESD



06108081

Shielding



04503050

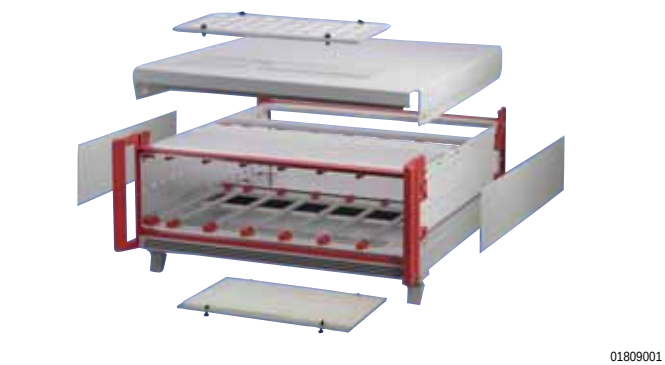
Position of the ESD clip

- Our case product platforms offer standard solutions for achieving electromagnetic compatibility (EMC) and to avoid electrostatic interference (ESD)
- Shielding on the front and rear of the case is effected by front panels with EMC gaskets
- To prevent electrostatic discharge when inserting PCBs, ESD contacts are clipped into the guide rails. These provide a conductive connection between board and case earth/ground
- Test reports are available on our website www.schroff.biz for download

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

Desk-top cases – ServicePLUS

Application examples



01809001

Application: ratiopacPRO-air case in special colour, shielded board cage, filter mat top and bottom



01809003

Application: ratiopacPRO-air case with processed front and rear panels



02009001

Application: compacPRO case, modified



02009003

Application: compacPRO case with fitted horizontal rail with lip and hinged front panel



02009002

Application: compacPRO case with fitted horizontal rail with lip and folding front panel



02009004

Application: compacPRO with tip-up carrying handle and front panel (without visible screws)



02109001

Application: inpac case with hinged and modified front and rear panels



05809005

Application: propacPRO, EMC case in special colour with mounting plates for individual construction

Desk-top cases – ServicePLUS

North America

Warwick, RI, USA
Tel +1.800.525.4682
San Diego, CA, USA
Tel +1.800.854.7086

Europe, Middle East & India

Straubenhardt, Germany
Tel +49 7082 794 0
Betschdorf, France
Tel +33 3 88 90 64 90
Warsaw, Poland
Tel +48 22 209 98 35
Hemel Hempstead,
Great Britain
Tel +44 1442 24 04 71
Lainate, Italy
Tel +39 02 932 714 1
Dubai, United Arab Emirates
Tel +971 4 37 81 700
Bangalore, India
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Istanbul, Turkey
Tel +90 216 250 7374

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Singapore
Tel +65 6768 5800
Shin-Yokohama, Japan
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