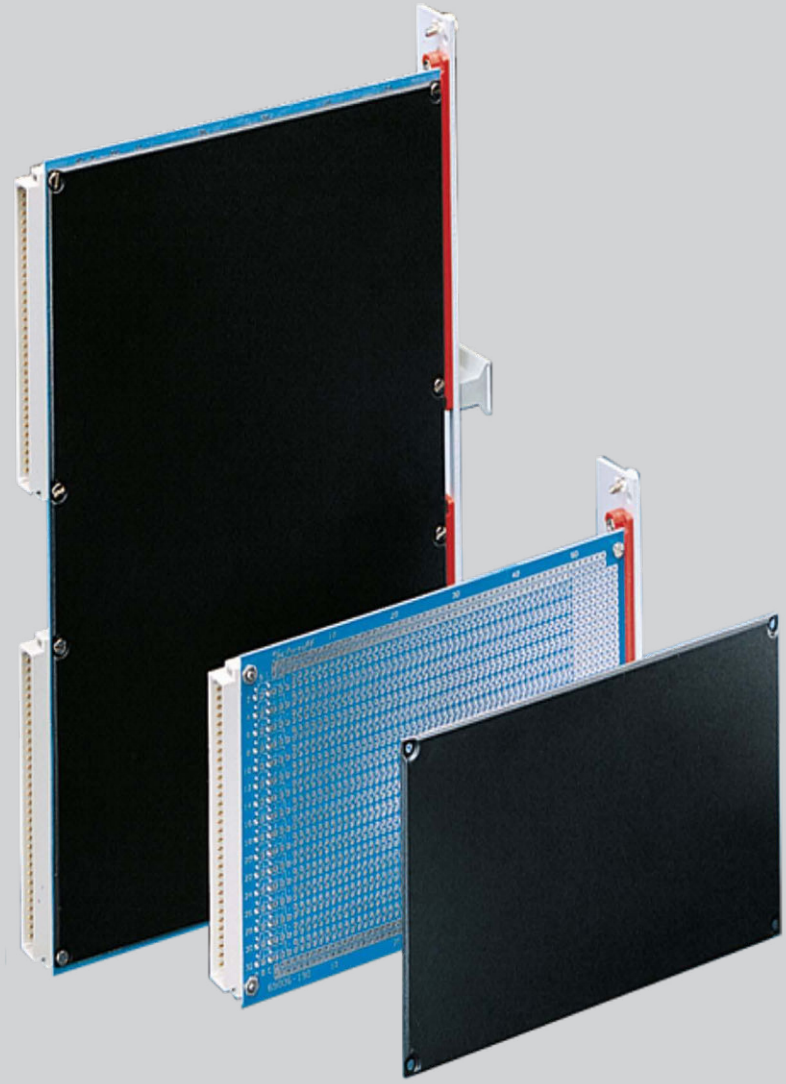


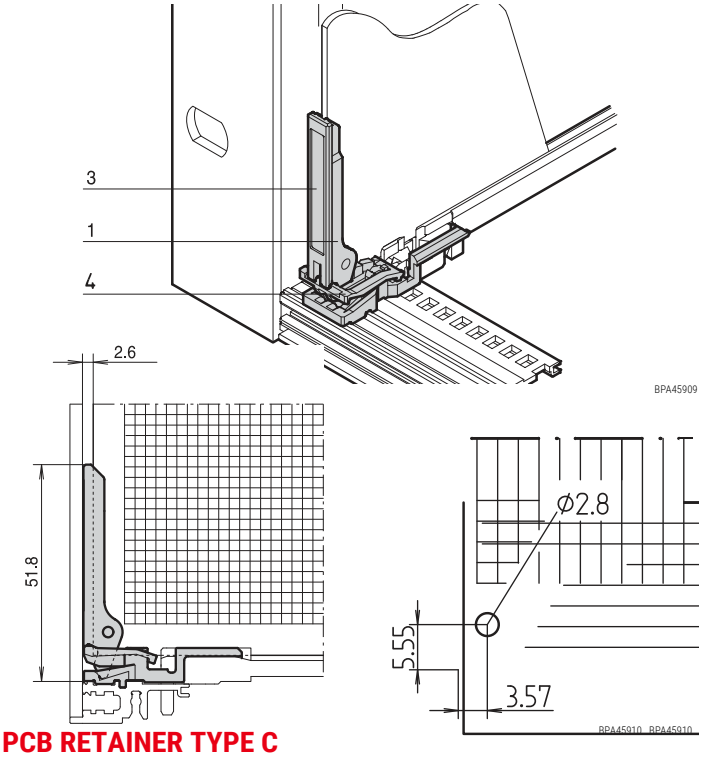
CONNECT AND PROTECT

PCB Accessories

04/2023

nVent
SCHROFF

PCB HANDLE TYPE C



- For europacPRO, multipacPRO, ratiopacPRO, propacPRO and compacPRO
- Mounted behind the front panel
- Insertion and extraction
- Can be labelled
- In accordance with IEC 60297-3-102

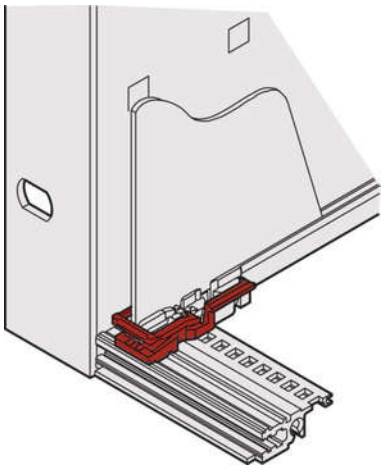
ORDER INFORMATION

Item	Description	Material	Colour	Qty/PU	Part no.
1	PCB handle	PBT, UL 94 V-0	red	10	**24560-378**
3	Identification strip (1 sheet = 438 pieces)	Polyester film, self-adhesive	white/ matt	1	**60817-228**

NOTE

- Minimum spacing of guide rail 3 HP
- For board thickness 1.6 mm
- Please order PCB retainer separately
- Can only be used together with guide rail for accessories

PCB RETAINER TYPE C



- For europacPRO, multipacPRO, ratiopacPRO, propacPRO and compacPRO
- Can also be used without PCB handle
- Application on top and bottom horizontal rail with "accessory" type guide rail

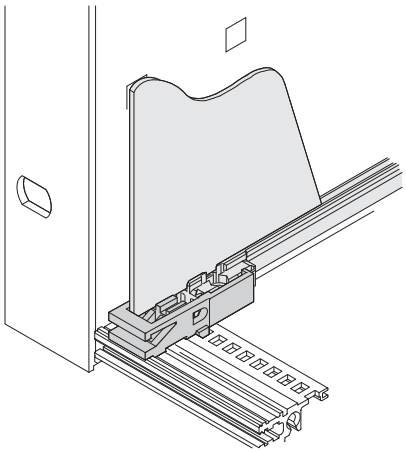
ORDER INFORMATION

Item	Description	Material	Colour	Qty/PU	Part no.
1	PCB retainer	PBT, UL 94 V-0	red	10	**24560-377**

NOTE

- Minimum spacing of guide rail 3 HP

PCB RETAINER TYPE A



- For fixing PCB
- Can also be used without PCB handle
- Application on top and bottom horizontal rail
- Suitable for PCB handles
- For the combination of EuropacPRO guide rails and the older type PCB handle

ORDER INFORMATION

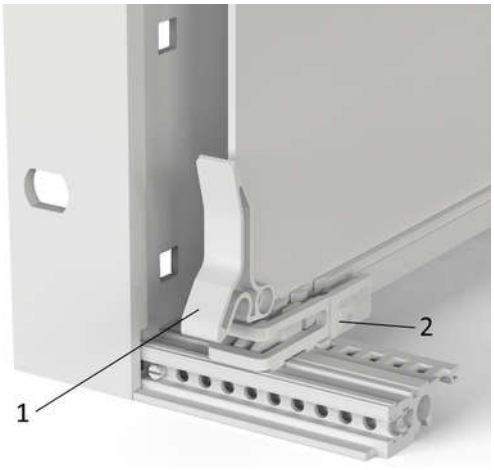
Description	Material	Colour	Qty/PU	Part no.
PCB retainer A	PPO, UL 94 V-0	red	10	**24560-381**

NOTE

- Groove width 2 mm

Modules – PCB accessories

PCB HANDLE TYPE A



- Insertion an extraction function
- For PCB thickness 1,6mm
- Suitable for PCB retainer 24560-381
- For the combination of EuropacPRO guide rails and the older type PCB handle

ORDER INFORMATION

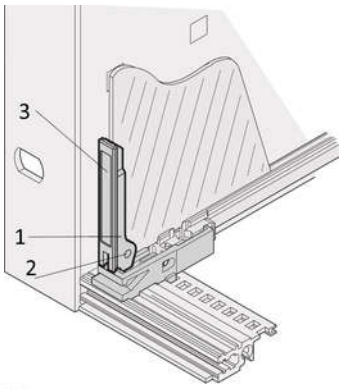
Description	Material	Colour	Qty/PU	Part no.
PCB Handle (1)	PC, UL 94 V-0	red	1 piece SPQ 10	**60817-055**

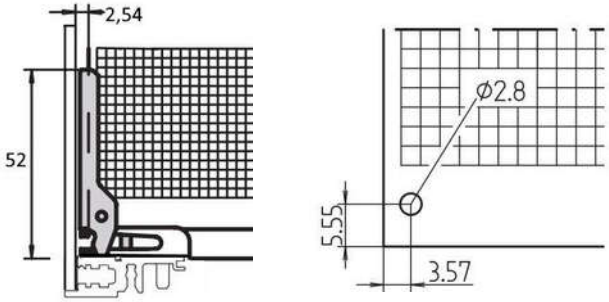
Retainer (2), 24560-381

NOTE

- Groove width 2 mm

PCB HANDLE TYPE A





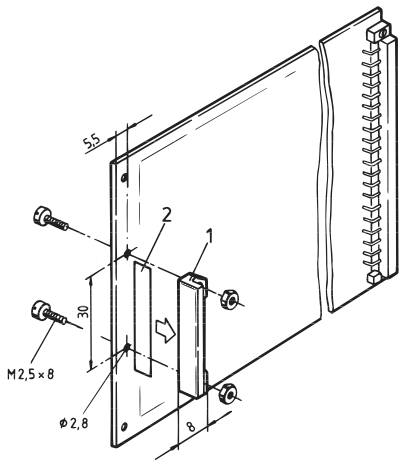
- For the combination of EuropacPRO guide rails and the older type PCB handle
- Can be mounted behind the front panel
- Insertion an extraction function
- Can be labelled
- In accordance with IEC 60297-3-102

ORDER INFORMATION

Item	Description	Material	Colour	Qty	Part no.
1	PCB handle	PC; UL 94 V-0	red	1 piece (SPQ 10)	**60817-096**
2	Pivot pin	Stainless steel		100	**21100-671**
3	Identification strip	Polyester film, self-adhesive	silver	100	**21100-672**

SPQ (standard pack quantity): Part number includes 1 piece, but delivery is exclusively made in standard pack quantity: Please order at least 10 pieces PCB handles or a multiple

PCB HANDLE, CAN BE BOLTED/RIVETED



A4-1302

- For board thickness 1.6 mm

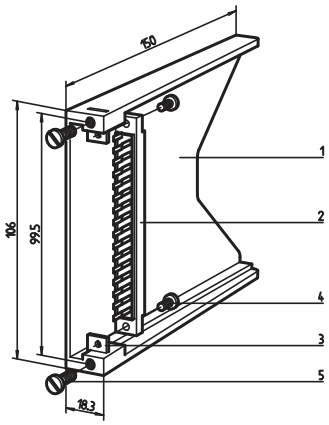
ORDER INFORMATION

Item	Description	Material	Colour	Qty	Part no.
1	PCB handle, can be bolted/riveted	PC	yellow	1 piece (SPQ 10)	**60817-050**
2	PCB handle, can be bolted/riveted	PC	red	1 piece (SPQ 10)	**60817-051**
1	PCB handle, can be bolted/riveted	PC	green	1 piece	**60817-052**
Identification strip Item 2, carton, white, 37.5 x 7 x 0.15 mm, 1 sheet = 105 pieces					**69000-969**
Pozidrive panhead screw M2.5 x 8, St, nickel-plated, PU 100 pieces					**21101-069**
Hexagonal nut A 2.5, nickel-plated, PU 100 pieces					**21100-144**

SPQ (standard pack quantity): Part number includes 1 piece, but delivery is exclusively made in standard pack quantity: Please order at least 10 pieces PCB handles or a multiple

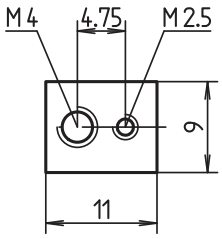
Modules – PCB accessories

PCB POCKET



LKA42605

Retention bracket (DIN 41612)



LKA42606

- Accepts PCBs in euroboard format, 100 × 160 mm
- For female connectors to EN 60603 (DIN 41612)

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	PCB pocket, PBT (P), grey, UL 94 V-0
3	2	Retention bracket, St, 2 mm, nickel-plated
4	2	Cheesehead screw M2.5 × 6, St, nickel-plated
5	2	Cheesehead screw M4 × 12, St, nickel-plated

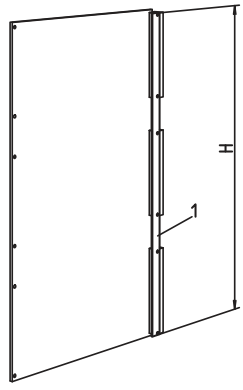
ORDER INFORMATION

Item	Description	Material	Colour	Qty/PU	Part no.
1	PCB pocket	PBT (P)	grey	1	**20800-032**

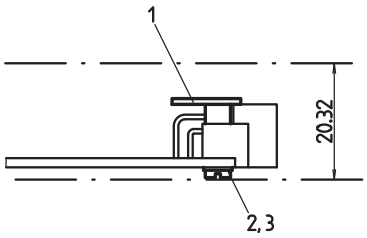
NOTE

- Connector (item 2) see page 11.2

PCB STRENGTHENING (9 U)



LKA42609



LKA42593

- Protects large PCBs from bending
- Creates an additional crossbar (corresponding to IEEE recommendations, P 896, Nubus, Multibus® II etc.) that links all connectors mecanically
- Fixing points match connectors to EN 60603 (DIN 41612), types B, R, C and D

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	PCB strengthening, Al extrusion, anodised, cut edges plain; separator, stainless steel, riveted on
2	6	Cheesehead screw M 2.5 × 12, St, nickel-plated
3	6	Washer 2.6, St, nickel-plated

ORDER INFORMATION

Description	Height H mm	Part no.
For 9 U PCBs	361.6	**20809-441**

PCB COVERS



11092008

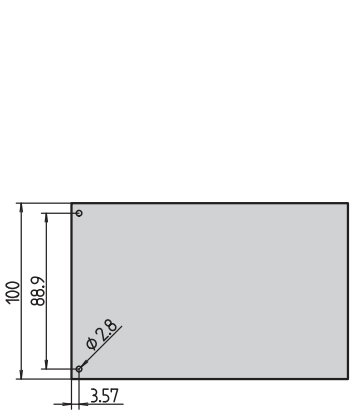
- Covers to protect solder side of board, see page 7.62

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

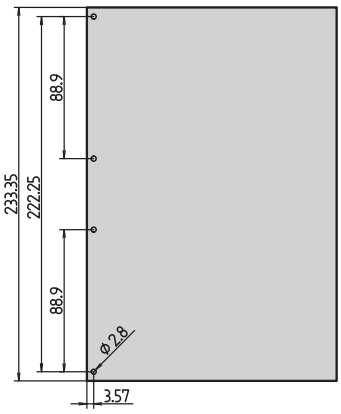
INDIVIDUAL COMPONENTS PCB SUPPORT FOR STATIC TRAPEZIFORM HANDLE

FIXING PARTS FOR EXTRACTOR HANDLES IN KEY FORM 2

Drill hole dimensions on PCB

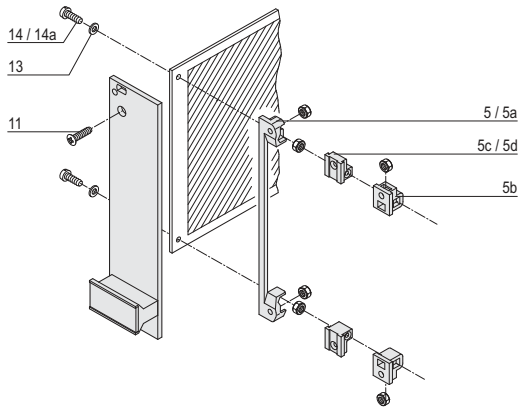


3 HE



6 HE

bga43076 bga43077

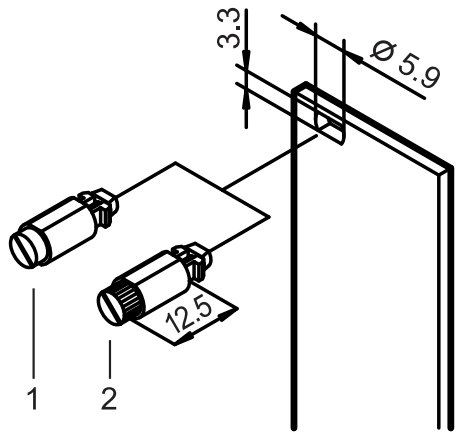


bza46430

Fixing parts	Item		Required quantity 3 U	Required quantity 6 U	Qty/PU	Part no.
PCB bracket 4 clearance holes for front panel/PCB fixing, 4 recesses for hexagon nuts; PBT, UL 94 V-0, red	5	 AZA45177	1	2	1 piece (SPQ 10)[1)]	**60807-011**
PCB bracket 4 threads M2.5 for front panel/PCB fixing, PBT, UL 94 V-0, grey, 1 piece	5a		1	2	1 piece (SPQ 10)[1)]	**60807-211**
PCB bracket Clearance hole for front panel fixing, with recess for hexagon nut, drill hole for self-tapping screw for PCB fixing, PBT, UL 94 V-0, grey, 1 piece	5b	 AZA45177	2	4	1 piece (SPQ 10)[1)]	**60807-183**
PCB bracket 2 threads M2.5 for front panel/PCB fixing, die-cast zinc, 1 piece	5c	 06707050	2	4	1 piece (SPQ 10)[1)]	**60807-181**
PCB bracket 1 x thread M2.5 for front panel fixing and 1 x clearance hole Ø 2.6 mm for PCB fixing, die-castzinc, 1 piece	5d	 06707050	2	4	1 piece (SPQ 10)[1)]	**60807-203**

1) SPQ (standard pack quantity): Part number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple

QUICK-RELEASE FASTENERS



06702062

- Vibration and shock proof
- 1/4 rotary lock with defined stop
- Detection of fastening position through slot position

DELIVERY COMPRISES

Qty	Description
1	Locking pin, St, locking, Zn die-cast
1	Press-in sleeve, POM

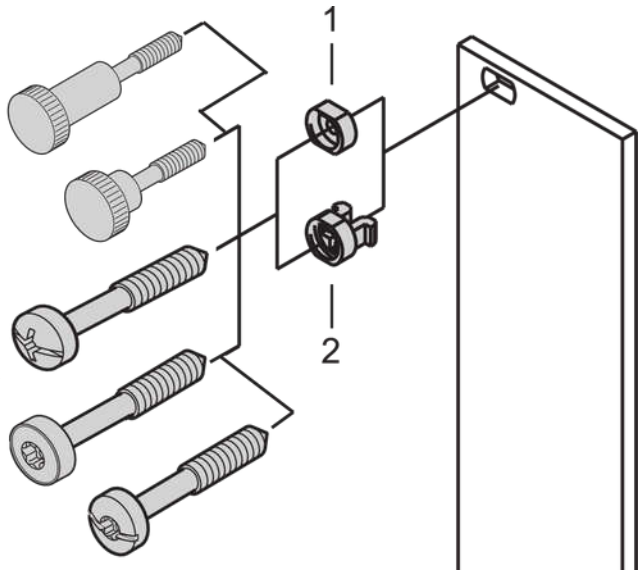
ORDER INFORMATION

Item	Description	Qty/PU	Part no.
1	With slotted head, grey	100	**21101-847**
1	With slotted head, black	100	**21101-848**
2	With knurled and slotted head, grey	100	**21101-849**
2	With knurled and slotted head, black	100	**21101-850**

NOTE

Quick-release fasteners: mounting without threaded insert

SLEEVES



ORDER INFORMATION

Item	Description	Application	Qty/PU pieces	Part no.
2	Plastic sleeve, PA, grey	for unshielded front panels	100	**21100-464**
2	Plastic sleeve, PA, black	for unshielded front panels	100	**21100-591**
1	Metal sleeve, brass, nickel-plated	for shielded front panels	10	**21100-659**
1	Metal sleeve, brass, nickel-plated	for shielded front panels	100	**21100-660**
1	Metal sleeve, brass, black	for shielded front panels	10	**21100-885**
1	Metal sleeve, brass, black	for shielded front panels	100	**21100-886**
1	Metal sleeves, stainless steel	for shielded front panels	10	**21100-661**
1	Metal sleeves, stainless steel	for shielded front panels	100	**21100-662**

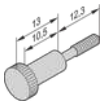
NOTE

- Metal sleeves must be pressed-in into front panels
- Sleeve does not fit 2 HP wide front panels

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

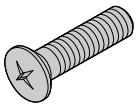
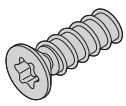
Modules – Assembly parts

COLLAR SCREWS

	Description	Material	Torque	Dimension	Qty/PU	Part no.
 137813732	Collar screw with philips drive/slot	For mounting of front panels when when using threaded inserts	max. 0,3 Nm	St, nickel-plated	M2.5 x 12.3	100	**21102-026**
 108909341	Collar screw with pozi drive/slot	For mounting of front panels when when using threaded inserts	max. 0,3 Nm	St, nickel-plated	M2.5 x 12.3	100	**21101-101**
			max. 0,3 Nm	Stainless steel	M2.5 x 12.3	100	**21101-906**
			max. 0,3 Nm	St, zinc-plated, black	M2.5 x 12.3	100	**21101-102**
	Collar screw with Torx 8 /slot	For mounting of front panels when when using threaded inserts	max. 0,3 Nm	St, nickel-plated	M2.5 x 12.3	100	**21101-976**
	Collar screw Torx 8	For mounting of front panels when when using threaded inserts	max. 0,3 Nm	St, nickel-plated	M2.5 x 12.3	100	**21101-782**
 137813729			max. 0,3 Nm	St, zinc-plated, black	M2.5 x 12.3	100	**21101-783**
	 Collar screw with knurled head 	For mounting of front or side hingded front panels when using threaded inserts or slides (page 6.68)	max. 0,3 Nm	Brass, nickel-plated	M2.5 x 12.3	100	**21101-749**
		For mounting of front or side hingded front panels when using threaded inserts or slides (page 6.68) For horizontal rails with long lip (H-LL or R_LL)	max. 0,3 Nm	Brass, nickel-plated	M2.5 x 12.3	100	**21101-909**

Modules – Assembly parts

COUNTERSUNK SCREWS

	Description	Material	Dimension	Qty/PU	Part no.
 aza45182	Pozidrive countersunk screw	St, nickel-plated	M2.5 x 6	100	**21100-515**
		St, nickel-plated	M2.5 x 12	100	**21100-507**
	Torx countersunk screw	St, zinc-plated	M4 x 5	100	**24560-139**
		St, zinc-plated	M4 x 14	100	**24560-145**
 06702056	Raised Pozidrive countersunk screw	St, nickel-plated	M2.5 x 8	100	**21100-429**
		St, nickel-plated	M2.5 x 10	100	**21100-500**
		St, zinc-plated, black	M2.5 x 10	100	**21100-649**
		St, nickel-plated	M3 x 8	100	**21100-542**
 06707057	Torx countersunk screw, self-tapping	St, zinc-plated	2.5 x 7.7	100	**24560-158**

SCREWS FOR PLUG-IN UNITS

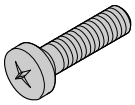
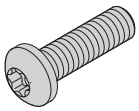
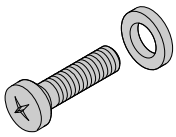
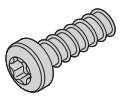


ORDER INFORMATION

Description	Qty/PU	Part no.
Slotted flathead screw, 6-32 UNC x 6	100	**21100-712**

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

PANHEAD SCREWS

	Description	Material	Dimension	Qty/PU	Part no.
 06702057	Pozidrive panhead screw	St, nickel-plated	M2.5 x 5	100	**21101-314**
		St, nickel-plated	M2.5 x 6	100	**21101-219**
		St, nickel-plated	M2.5 x 8	100	**21101-069**
		St, nickel-plated	M2.5 x 10	100	**21101-220**
		St, nickel-plated	M2.5 x 12	100	**21101-221**
		St, nickel-plated	M2.5 x 16	100	**21101-222**
		St, zinc-plated	M5 x 12	100	**21100-788**
 AZA45940	Torx panhead screw	St, zinc-plated	M2.5 x 6	100	**24560-159**
		St, nickel-plated	M2.5 x 7	100	**24560-147**
		St, nickel-plated	M2.5 x 10	100	**24560-148**
		St, nickel-plated	M2.5 x 12	100	**24560-161**
		St, nickel-plated	M2.5 x 14	100	**24560-162**
		St, zinc-plated	M4 x 6	100	**24560-135**
		St, zinc-plated	M4 x 6	100	**24560-151**
		St, zinc-plated	M4 x 10	100	**24560-155**
		St, zinc-plated	M4 x 14	100	**24560-130**
 06702051	Screw + securing washer (PA)	St, nickel-plated	M2.5 x 12	100	**21100-777**
 06707058	Torx panhead screw, self-tapping	St, zinc-plated, black	2.5 x 7.3	100	**24560-157**
		St, zinc-plated	2.5 x 9.3	100	**24560-141**

Modules – Assembly parts

GRUB SCREWS

	Description	Material	Dimension	Qty/PU	Part no.
	Grub screw	Stainless steel	M2.5 x 9, Torx 8	100	**21102-980**
		St, nickel-plated	M2.5 x 8	100	**21100-276**
		St, zinc-plated	M3.0 x 8	100	**21100-646**

WASHERS

	Description	Material	Dimension	Qty/PU	Part no.
	Washer	Plastic, PA	2.7 x 5 x 1	100	**21101-121**
		Plastic, PA	2.8 x 6,3 x 2	100	**21101-964**
		St, nickel-plated	A2.7 DIN 125	100	**21100-721**
	Shakeproof washer	St, nickel-plated	A 2.6	100	**21100-142**

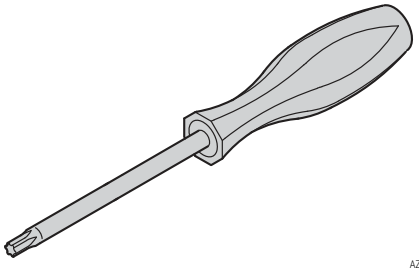
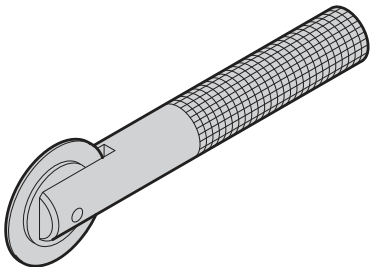
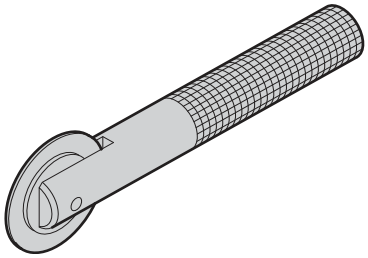
NUTS

	Description	Material	Dimension	Qty/PU	Part no.
	Hexagon nut	St, nickel-plated	M2.5	100	**21100-144**
	Square nut	St, nickel-plated	M2.5	100	**21100-359**
	Square nut	St, zinc-plated	M4	100	**24560-140**

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

ASSEMBLY TOOLS

ORDER INFORMATION

	Description	Application	Dimension	Qty/PU	Part no.
 AZA45925	Torx screwdriver	For M2.5 screw	T8	1	**64560-026**
		For M3 screw	T10	1	**64560-230**
		For M4 screw	T20	1	**64560-026**
 aza45938	Assembly tool	Exclusively to fix stainless steel EMC gaskets in horizontal rails	–	1	**24560-271**
 aza45937	Assembly tool	To fix stainless steel EMC gaskets on front panels with lateral slot	–	1	**24560-270**

NOTE

- Assembly tool to insert keying/coding pegs in guide rails is available on request

MEASURING TAPE



- Measuring tape with cm, U-, HP-division (length 2 m)
- Plastic housing, metal measuring tape with automatic collection

ORDER INFORMATION

Description		Part no.
Measuring tape	1	**89009-001**

North America

Warwick, RI, USA
Tel +1.401.738.1722
San Diego, CA, USA
Tel +1.858.740.2400

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 82 38 666
Bangalore, India
Tel +91 80 6715 8900
Istanbul, Turkey
Tel +90 541 368 0941

Asia Pacific

Shanghai, China
Tel +86 21 2412 6943
Singapore
Tel +65 6768 5800
Shin-Yokohama, Japan
Tel +81 45 476 0271

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

nVent

nVent.com/SCHROFF

©2018 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.
nVent reserves the right to change specifications without notice.