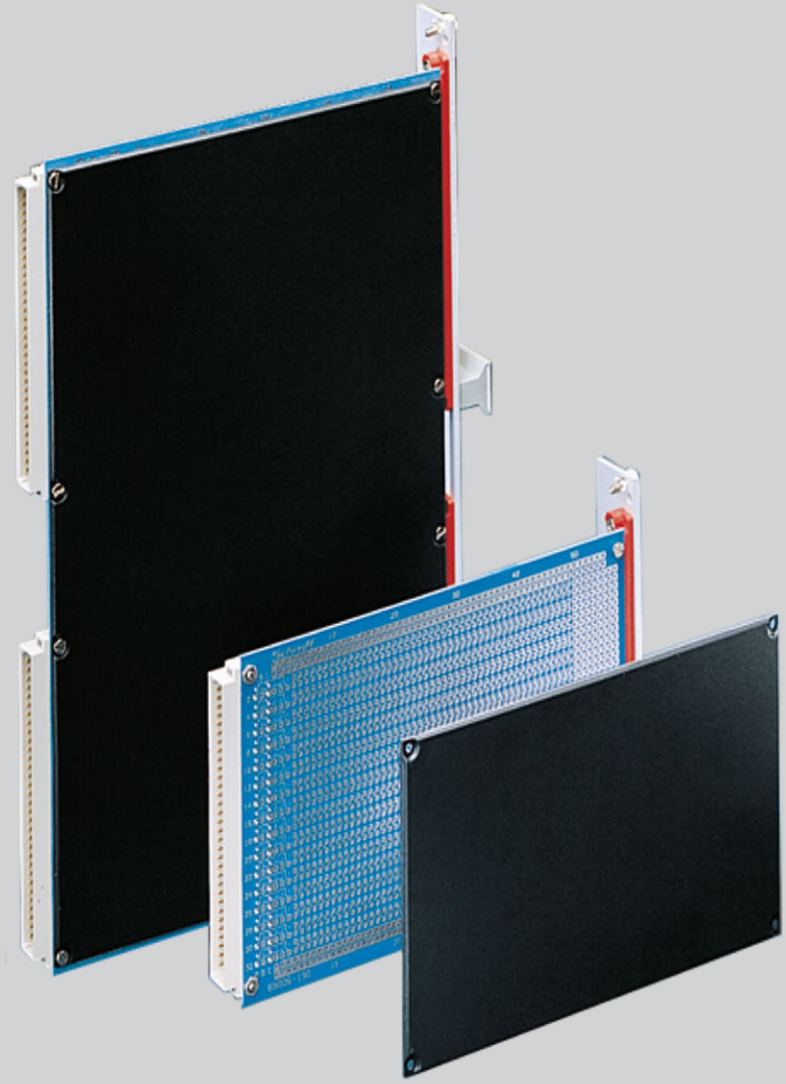
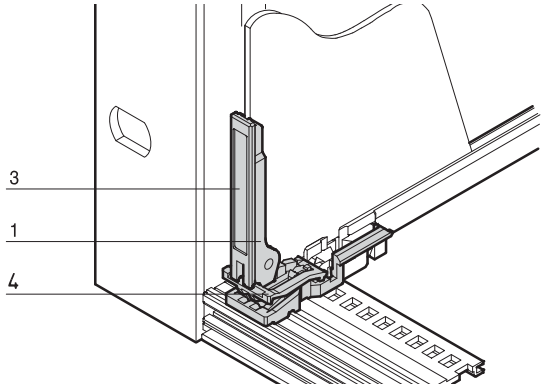


CONNECT AND PROTECT

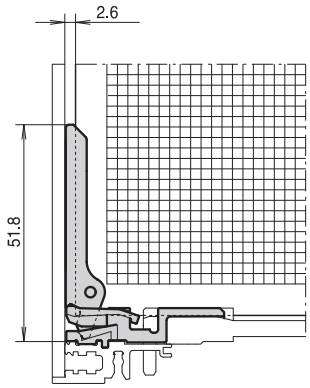
PCB Accessories

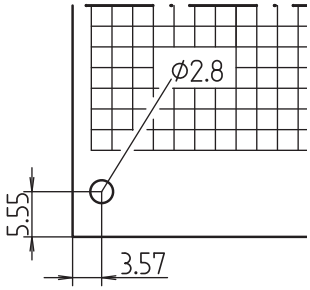
nVent
SCHROFF

PCB HANDLE



BPA45909





BPA45910 BPA45910

- 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

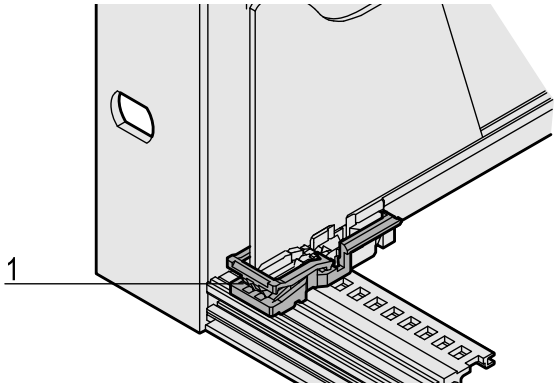
ORDER INFORMATION

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



06002057

- 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

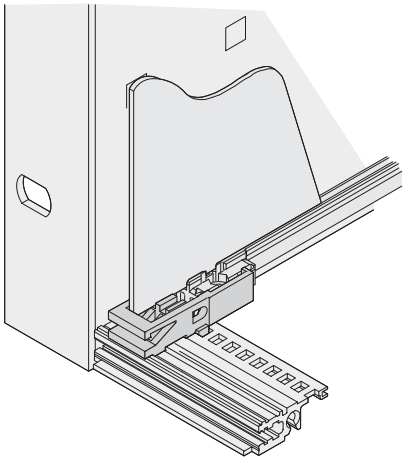
Item	Description	Material	Colour	Qty/PU	Part no.
1	PCB retainer	PBT, UL 94 V-0	red	10	**24560-377**

NOTE

- Minimum spacing of guide rail 3 HP

Modules – PCB accessories

PCB RETAINER



06109050

- 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

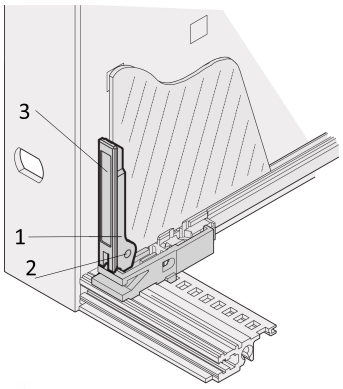
ORDER INFORMATION

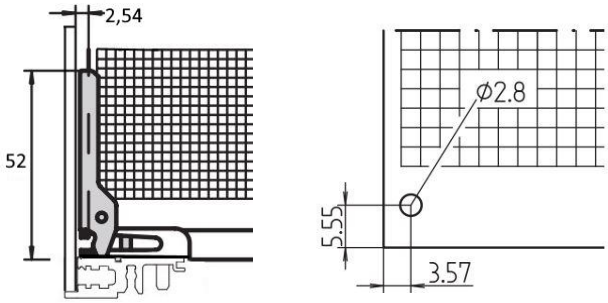
Description	Material	Colour	Qty/PU	Part no.
PCB retainer B1, B2	PPO, UL 94 V-0	red	10	**24560-381**

NOTE

- Groove width 2 mm

PCB HANDLE





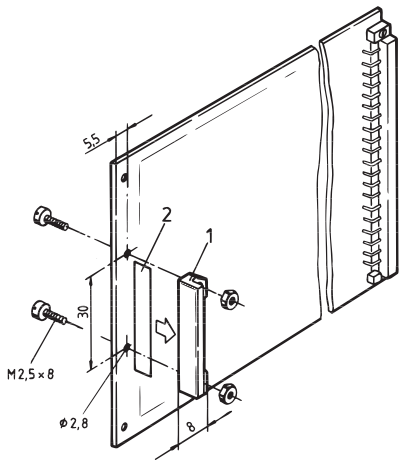
- For the combination of EuropacPRO guide rails and the older type PCB handle
- Can be mounted behind the front panel
- Insertion an extraction function
- Can be labelled
- In accordance with IEC 60297-3-102

ORDER INFORMATION

Item	Description	Material	Colour	Qty	Part no.
1	PCB handle	PBT; 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

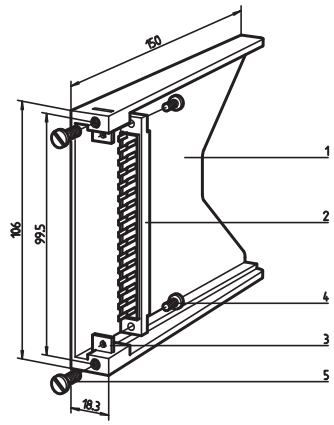
ORDER INFORMATION

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 × 7 × 0.15 mm, 1 sheet = 105 pieces					**69000-969**
Pozidrive panhead screw M2.5 × 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

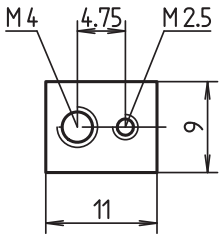
Modules – PCB accessories

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

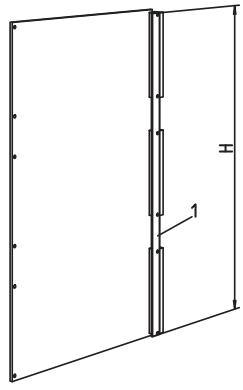
ORDER INFORMATION

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

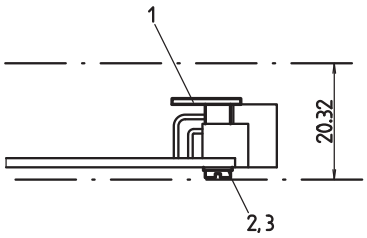
NOTE

- 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

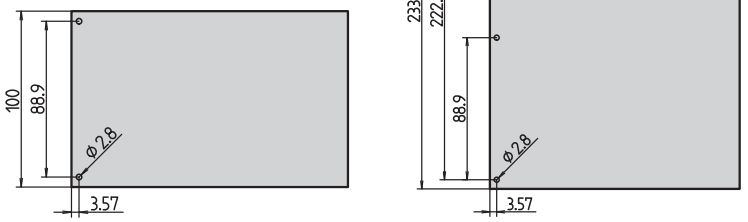
- Covers to protect solder side of board, see page 7.62

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

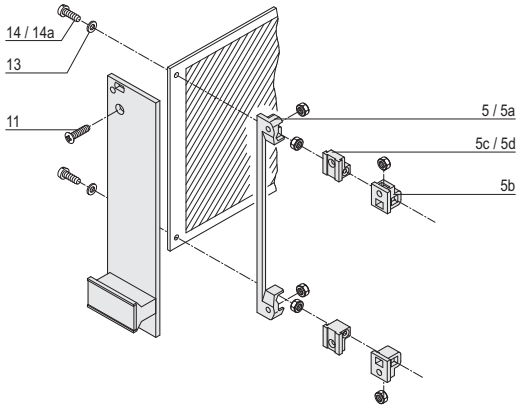
INDIVIDUAL COMPONENTS PCB SUPPORT FOR STATIC TRAPEZIFORM HANDLE

FIXING PARTS FOR EXTRACTOR HANDLES IN KEY FORM 2

Drill hole dimensions on PCB



3 HE 6 HE bga43076 bga43077

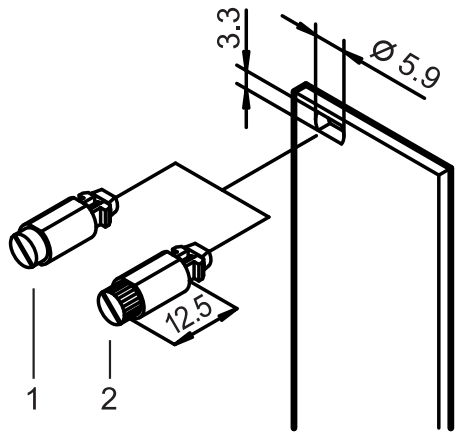


bza46430

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 Thread M2.5 for front panel fixing, clearance hole for PCB fixing, die-cast zinc, 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

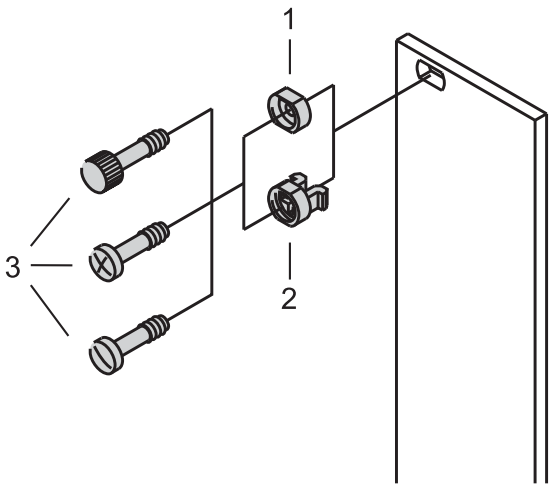
ORDER INFORMATION

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



06702061

ORDER INFORMATION

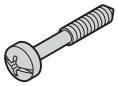
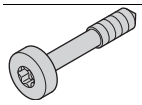
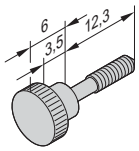
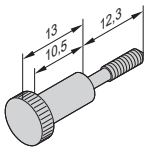
Item	Description	Application	Qty/PU pieces	Part no.
2	Plastic sleeve, PA, grey	for unshielded front panels	100	**21100-464**
2	Plastic sleeve, PA, black	for unshielded front panels	100	**21100-591**
1	Metal sleeve, brass, nickel-plated	for shielded front panels	10	**21100-659**
1	Metal sleeve, brass, 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**
Accessories				
Pozidrive/slotted collar screw M2.5 x 12,3 St, nickel-plated, PU 100 pieces				**21101-101**
Torx collar screw M2.5 x 12.3, St, nickel-plated, PU 100 pieces				**21101-782**

NOTE

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

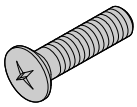
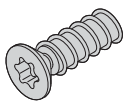
Modules – Assembly parts

COLLAR SCREWS

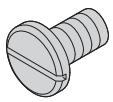
	Description	Material	Dimension	Qty/PU	Part no.
	Philips /slotted collar screw	St, nickel-plated (Philips)	M2.5 x 12,3	100	**21102-026**
 AZA46586	Pozidrive/slotted collar screw	St, nickel-plated, (Pozi)	M2.5 x 12.3	100	**21101-101**
		St, zinc-plated, black (Pozi)	M2.5 x 12.3	100	**21101-102**
		Stainless steel, (Pozi)	M2.5 x 12.3	100	**21101-906**
 AZA45941	Torx collar screw	St, nickel-plated	M2.5 x 12.3	100	**21101-782**
		St, zinc-plated, black	M2.5 x 12.3	100	**21101-783**
 06709051	Collar screw with knurled head	Brass, nickel-plated	M2.5 x 12.3	100	**21101-749**
 06709052	Collar screw with knurled head Used with horizontal rails with long lip (H-LD or R-LD)	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**
 AZA46585	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

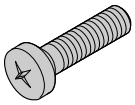
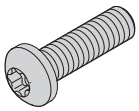
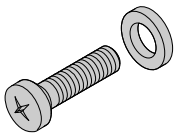
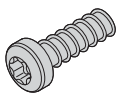

06706053

ORDER INFORMATION

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

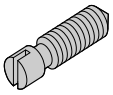
Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

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.
		Stainless steel	M2.5 x 9	100	**21101-359**
 06702053	Grub screw	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.
		Plastic, PA	2.7 x 5 x 1	100	**21101-121**
 AZA45178	Washer	Plastic, PA	2.8 x 6,3 x 2	100	**21101-964**
		St, nickel-plated	A2.7 DIN 125	100	**21100-721**
 AZA45180	Shakeproof washer	St, nickel-plated	A 2.6	100	**21100-142**

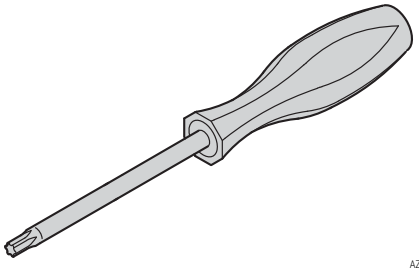
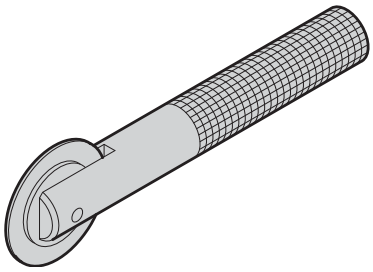
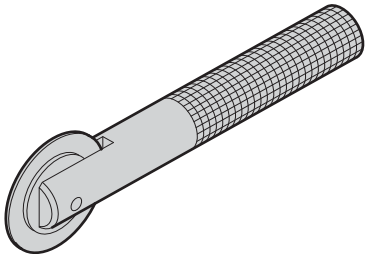
NUTS

	Description	Material	Dimension	Qty/PU	Part no.
 AZA43239	Hexagon nut	St, nickel-plated	M2.5	100	**21100-144**
 06707050	Square nut	St, nickel-plated	M2.5	100	**21100-359**
 AZA45921	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 +1.800.525.4682
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
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Hemel Hempstead,
Great Britain
Tel +44 1442 24 04 71
Lainate, Italy
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Dubai, United Arab Emirates
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Bangalore, India
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