



Schroff

EUROPACPRO FOR RAILROAD APPLICATIONS

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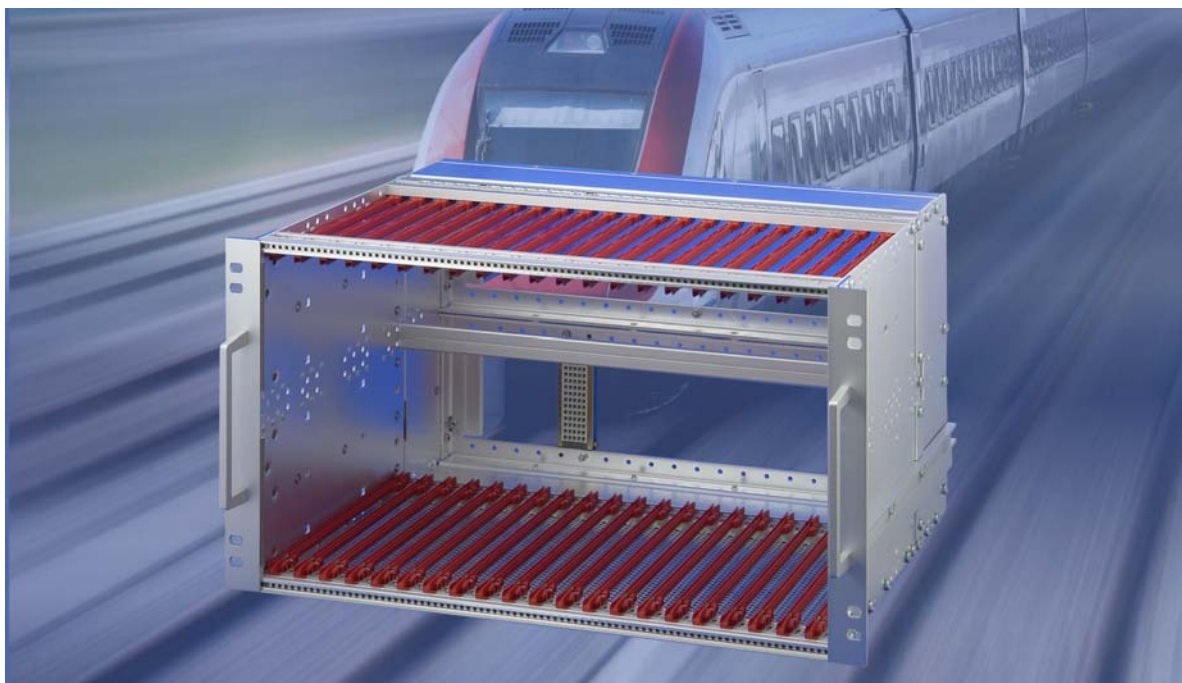
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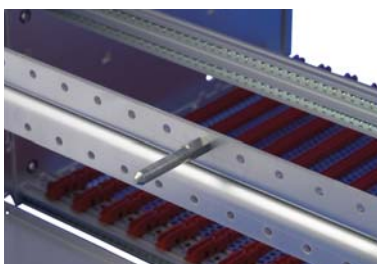
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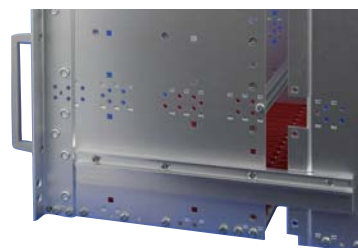


F_2015161_06104008



06108013

An alignment pin to NFF standard allows the easy installation of the subracks



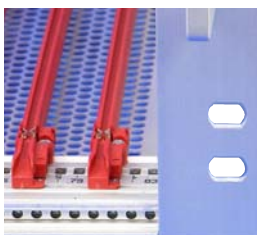
06108014

Lateral support bars to NFF standard facilitate insertion of subrack into the (cabinet) frame



06108015

The 19" bracket is firmly fixed to the side panel (toxic-cold welded) and is especially suited for high mechanical stresses (vibration resistance)



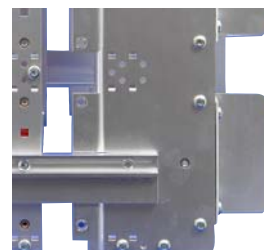
06108016

The double 19" screwing position adds to additional safety (NFF standard)



06108017

The cut-out in the side panel allows to retrofit the threaded insert, also if the side panels are already assembled

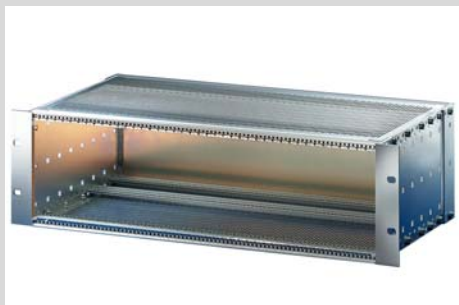


06108015

The rear brackets have two functions:
- push-in aid and
- transport protection for the connectors
The removable rear hood allows a fast cabling between backplane and connector

19" subrack for mobile rail applications

- Shock and vibration resistance to IEC 61587-1, EN 50155, NF F 61-005 / NF F 60-002, BN 411002 and BN 411003
- Versions for CompactPCI applications
- Best suited for high mechanical demands



06102008

BN 411002, 411003 subracks

- Height 3 U and 6 U
- Width 84 HP
- Unshielded and shielded versions



BN 411002/-003 subracks

unshielded 6.73
shielded 6.74



06104006

EN 50155 subrack

- Height 3 U and 6 U
- Width 84 HP
- Unshielded and shielded versions
- Shielded versions for CompactPCI applications

EN 50155 subracks

unshielded 6.75
shielded 6.76
shielded, for CompactPCI 6.77



06104003

SNCF subrack

- Height 3 U and 6 U
- Width 9 T (36 HP) and 21 T (84 HP)
- Unshielded and shielded versions
- Shielded versions for CompactPCI applications



SNCF subracks

unshielded 6.78
shielded 6.79
shielded, for CompactPCI 6.80

Accessories

Guide rails 6.81
Cover plates 6.82
General accessories in europacPRO section 6.17

ServicePLUS ... 6.84

Application examples 6.85

europacPRO ... 6.6
europacPRO for industrial applications 6.86
europacPRO for rugged applications 6.92



30407004

ServicePLUS from page 6.84

- e.g. modification (cut-outs)
- e.g. downloads (CAD drawings, user manuals, test reports)
- e.g. custom solutions (special depths, electromagnetically shielded applications)

www.schroff.biz/ServicePLUS

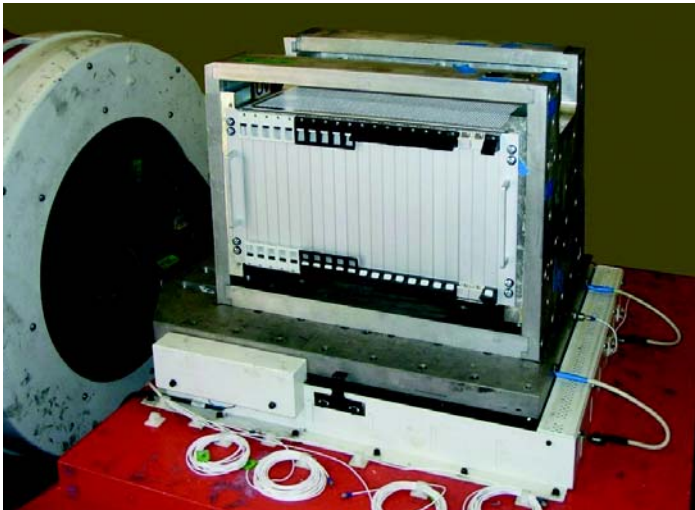
Subracks - *europac PRO* for railway applications

Subrack for mobile rail applications



Solid mechanical construction

Electronics for mobile applications require robust mechanical construction that can withstand extreme environmental conditions. Our enclosure solutions protect the housed electronics thanks to their high mechanical strength and thus are an important element for secure and trouble-free operation of the entire system. Only dependability, down to the last detail, can make complex safety tasks achievable - and also economic.



Shock and vibration resistance

Schroff products assure shock and vibration resistance in mobile applications e.g. by suitable material thicknesses and fixing elements. Tested with typical loads, they offer the best conditions for secure and reliable functioning in individual applications and projects.

Certification of mechanics

High-quality, robust and durable products are an important component for the certification of a complete application in accordance with the European Railway Standard DIN EN 50155, the German Railway Standards BN 41002 and BN 41003 and the French Railway Standards NF F 61-005 and NF F 60-002.

Note

fer = ferroviaire (French) = railway
1 T = 4 HP = 20.32 mm



Railway Technology brochure

A large amount of general information on our railway systems solutions can be found at www.schroff.co.uk/railway/ and in our "Railway Systems" brochure.



TÜV test report



Subracks - *europac* **PRO** for railway applications

Kit, unshielded, 'heavy',
for backplane mounting

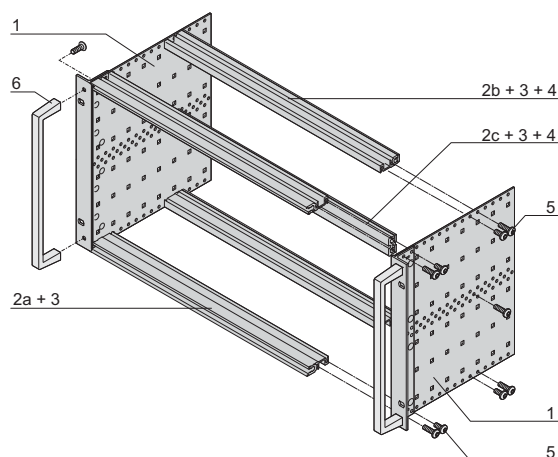


Without front handle

06102007

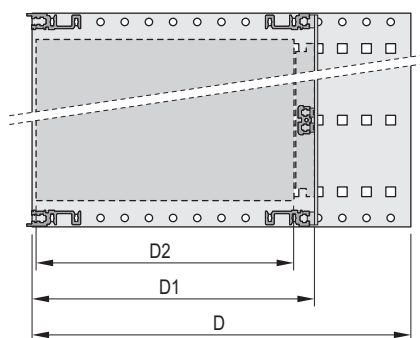
With front handle

06111003



6 U

06111057



D=overall depth, D1=insertion depth,
D2=board depth = D1 - 15 mm



04400001

Rear horizontal rail for backplane mounting with insulation strip



ServicePLUS see page 6.84

- Subrack with side panel type H ("heavy"), 19" bracket is firmly connected to side panel (tox-cold welded)



- Rear horizontal rail for backplane mounting with insulation strip
- Tested to German Railway Standards BN 411002, BN 411003
- Versions with/without front handles

NEW

Delivery comprises (Kit)

Item	Qty		Description
	3 U	6 U	
1	2	2	Side panel type H, Al, 2 mm, passivated, with 19" support bracket (tox-cold welded) for textile EMC gasket
2a	2	2	Front horizontal rail (H-KD)
2b	2	2	Rear horizontal rail (H-ST)
2c	-	1	Rear horizontal rail centre (H-ST)
3	4	6	Threaded inserts, front and rear (pre-fitted)
4	2	4	Insulation strip (pre-fitted)
5	1	1	Fixing material kit, user manual
6	2	2	Front handle (on version with front handle only)

Order Information

Height U	Width HP	Depth D mm	Depth D1 mm	Part no. with front handle	Part no. without front handle
3	84	175	175	24567-161	24563-161
3	84	235	175/235	24567-162	24563-162
3	84	295	175/235/295	24567-163	24563-163
3	84	355	175/235/295/355	24567-164	24563-164
6	84	175	175	24567-461	24563-461
6	84	235	175/235	24567-462	24563-462
6	84	295	175/235/295	24567-463	24563-463
6	84	355	175/235/295/355	24567-464	24563-464

Accessories

19" assembly kit (screw, washer, nut) (8 x screws, 8 x plastic washers, 8 x cage nuts)	21100-435
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Guide rails (standard), ESD clips

Depth D2 mm	Qty/PU pieces	Part no.
160	10	24560-351
220	10	24560-353
280	10	24560-379
340	10	24560-380

ESD clip for guide rails PU 50 pieces **24560-255**

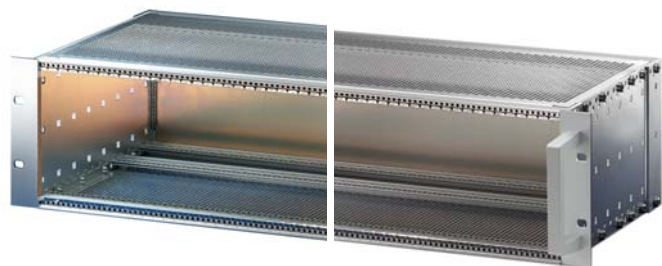
Torx panhead screw, for extra bolting of the guide rails, 2.5 x 9.3, zinc-plated, PU 100 pieces **24560-141**

Note

- Perforated rails, cover plates and assembly kit from page 6.34
- Textile EMC gaskets see page 6.21
- Further accessories from page 6.17
- ServicePLUS configuration from page 6.84

Subracks - *europac PRO* for railway applications

Kit, shielded, "heavy", for backplane mounting

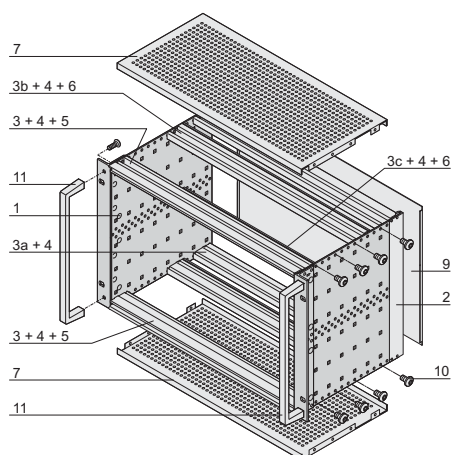


Without front handle

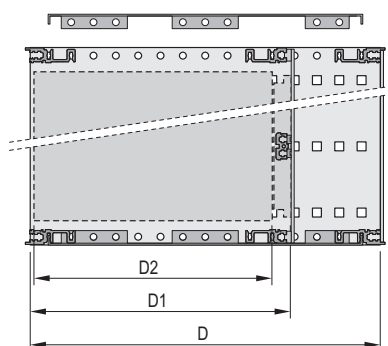
06102008

With front handle

06111001



6 U



06111058

D = overall depth, D1 = insertion depth,
D2 = board depth = D1 - 15 mm

06108060



04400001

Rear horizontal rail for backplane mounting with insulation strip



ServicePLUS see page 6.84

- Subrack with side panel type H ("heavy"), 19" bracket is firmly connected to side panel (tox-cold welded)
- Horizontal rail rear for backplane mounting with insulating strip
- Shielding typically 40 dB at 1 GHz, 30 dB at 2 GHz (in accordance with VG 95373, part 15 or IEC 61587, part 3), under the condition that the front is closed with shielded front panels
- Tested to German Railway Standards BN 411002, BN 411003
- Versions with/without front handles



NEW

Delivery comprises (Kit)

Accessories complete (m)			
Item	Qty	Description	
	3 U	6 U	
1	2	2	Side panel type H, Al, 2 mm, passivated, with 19" support bracket (tox-cold welded); for textile EMC gasket
2	2	2	Rear corner profile for textile EMC gasket
3	2	2	Front horizontal rail (H-KD)
3 a	2	2	Rear horizontal rail (H-KD)
3 b	2	2	Rear horizontal rail (H-ST)
3 c	-	1	Rear horizontal rail centre (H-ST)
4	6	8	Threaded insert (pre-fitted)
5	2	2	Perforated strip (pre-mounted)
6	2	4	Insulation strip (pre-fitted)
7	2	2	EMC cover plate
8	1	1	EMC gasketing material (pre-fitted)
9	1	1	EMC rear panel
10	1	1	Fixing material kit, user manual
11	2	2	Front handle (on version with front handle only)

Order Information

Height U	Width HP	Depth D mm	Depth D1 mm	Part no. with front handle	Part no. without front handle
3	84	235	175/235	24567-172	24563-172
3	84	295	175/235/295	24567-173	24563-173
3	84	355	175/235/295	24567-174	24563-174
6	84	235	175/235	24567-472	24563-472
6	84	295	175/235/295	24567-473	24563-473
6	84	355	175/235/295	24567-474	24563-474

Accessories

19" assembly kit (screw, washer, nut) (8 x screws, 8 x plastic washers, 8 x cage nuts)	21100-435
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Guide rails (standard), ESD clips

Depth D2 mm	Qty/PU pieces	Part no.
160	10	24560-351
220	10	24560-353
280	10	24560-379

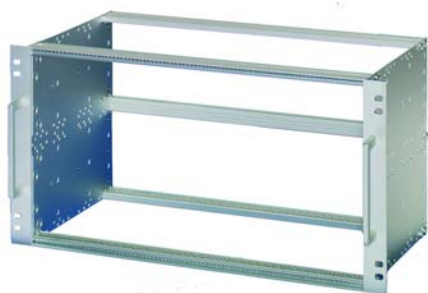
ESD clip for guide rails PU 50 pieces 24560-255

Torx panhead screw, for extra bolting of the guide rails, 2.5 x 9.3, zinc-plated, PU 100 pieces 24560-141

- Perforated rail for connectors see page 6.34
- Further accessories from page 6.17
- ServicePLUS configuration from page 6.84

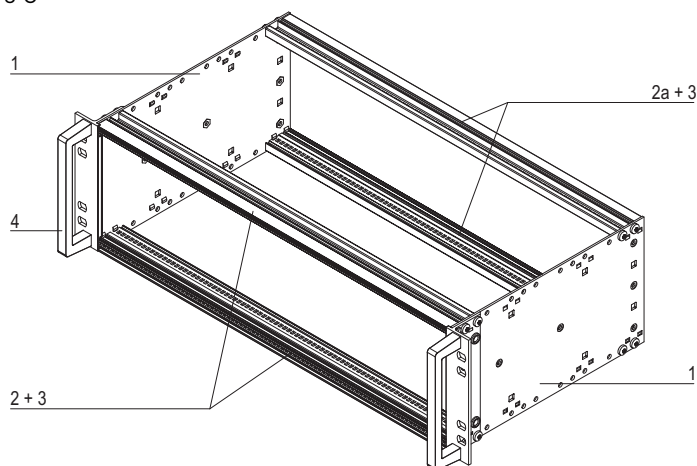
Subracks - *europac PRO* for railway applications

Kit, EN 50155, unshielded



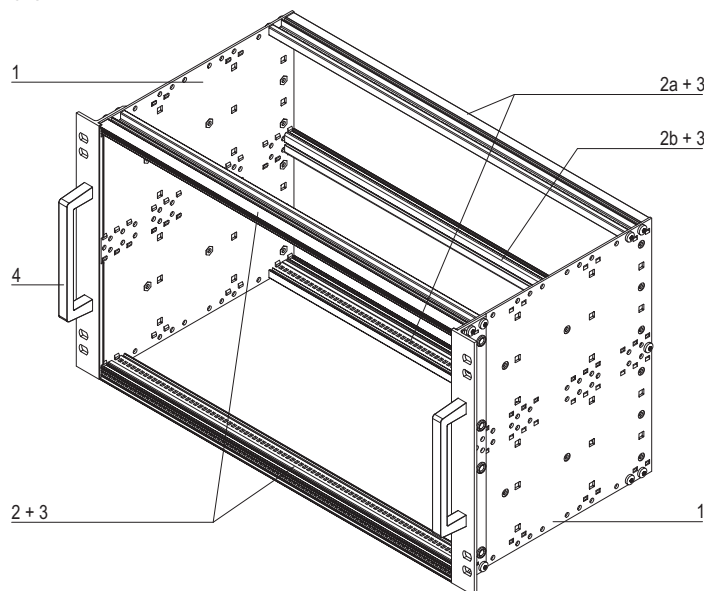
06104005

3 U



06104056

6 U



06104057

- Subrack in robust "heavy" version, 19" bracket is firmly connected to side panel (tox-cold welded)
- For mobile railway applications
- Tested to EN 50155
- 3 U and 6 U, 84 HP, 235 mm deep, for 220 mm board depth

Delivery comprises (kit)

Item	Qty		Description
	3 U	6 U	
1	2	2	Side panel type H with 19" support bracket (tox-cold welded); prepared for EMC textile gasket
2	2	2	Front horizontal rail (H-KD)
2 a	2	2	Rear horizontal rail (H-VT)
2 b	-	1	Rear centre horizontal rail (VT)
3	4	6	Threaded inserts
4	2	2	Handles
5	1	1	Assembly kit with self-locking screws
6	1	1	User manual

Order Information

Height	Width	Depth	Part no.
U	HP	mm	
3	84	235	21500-077
6	84	235	21500-078

Accessories

Guide rail, standard, 220 mm deep
PBT, UL 94 V-0, red, groove width 2 mm, PU 10 pieces, see page 6.36

24560-353

Panhead screw with Torx
M2.5 x 9.3, St, zinc-plated, self-locking, PU 100 pieces

21500-039

ESD clip for guide rails PU 50 pieces

24560-255

Cover plate for screw-fixing onto side panel width 84 HP, depth 220 mm, PU 1 kit

21500-037

19" dual fixing materials kit suitable for a subrack with double fixing holes (bolts, washers and nuts), PU 1 kit

24566-109

Note

- Test reports online
- ServicePLUS configuration see from page 6.84
- Further accessories see from page 6.17



ServicePLUS see page 6.84

Subracks - *europacPRO* for railway applications

Kit, EN 50155, shielded



- Subrack in robust "heavy" version, 19" bracket is firmly connected to side panel (tox-cold welded)
- For mobile railway applications
- Tested to EN 50155
- 3 U and 6 U, 84 HP, 235 mm deep, for 220 mm board depth

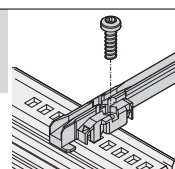
Delivery comprises (kit)

Item	Qty	Description
	3 U	6 U
1	2	2
Side panel type H with 19" support bracket (tox-cold welded); for textile EMC gasket		
2	2	2
Front horizontal rail (H-KD)		
2 a	2	2
Rear horizontal rail (H-VT)		
2 b	-	1
Rear centre horizontal rail (VT)		
3	4	6
Threaded inserts		
4	2	2
Perforated strip		
5	2	2
EMC cover plate 235 T		
6	1	1
EMC gasketing kit		
7	1	2
Backplane kit - EMC shielding material		
8	2	2
Handles		
9	1	1
Assembly kit with self-locking screws		
10	1	1
User manual		

Order Information

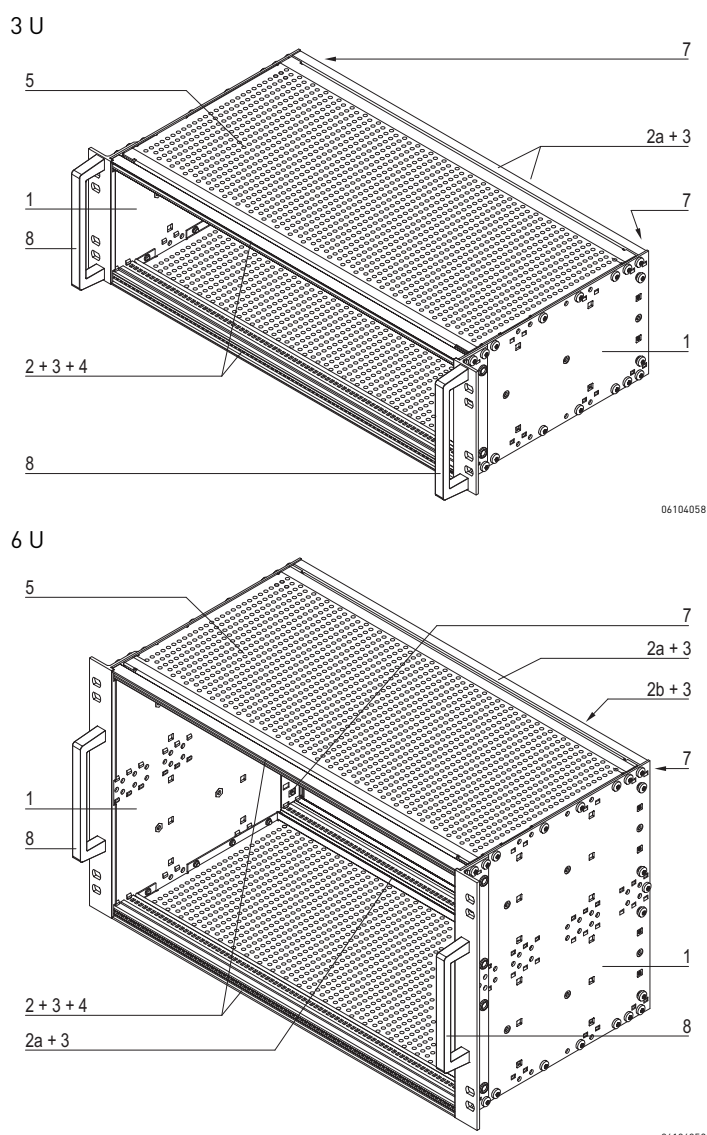
Height U	Width HP	Depth mm	Part no.
3	84	235	21500-079
6	84	235	21500-080

Accessories

Guide rail, standard, 220 mm deep PBT, UL 94 V-0, red, groove width 2 mm, PU 10 pieces, see page 6.36		24560-353
Panhead screw with Torx M2.5 x 9.3, St, zinc-plated, self-locking, PU 100 pieces		21500-039
ESD clip for guide rails PU 50 pieces		24560-255
19" dual fixing materials kit suitable for a subrack with double fixing holes (bolts, washers and nuts), PU 1 kit		24566-109

Note

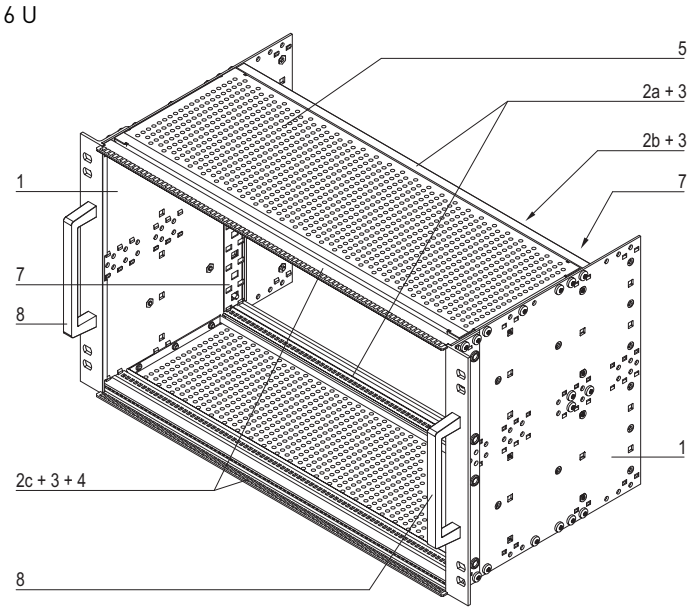
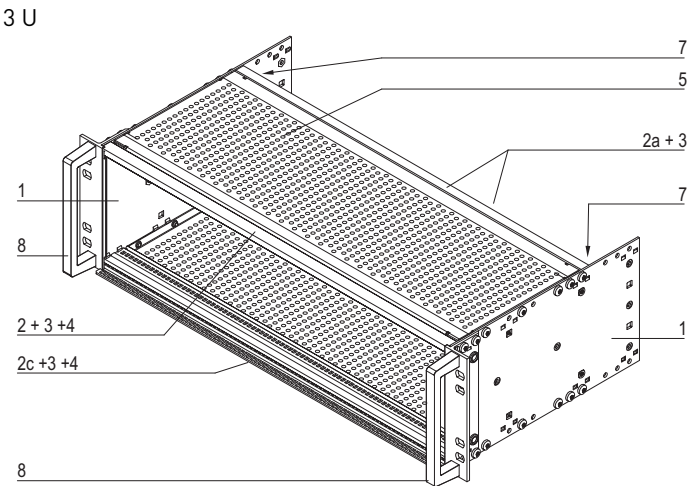
- Test reports online
- ServicePLUS configuration see from page 6.84
- Further accessories see from page 6.17



ServicePLUS see page 6.84

Subracks - *europacPRO* for railway applications

Kit, EN 50155, shielded, for CompactPCI applications



- Subrack in robust "heavy" version, 19" bracket is firmly connected to side panel (tox-cold welded)
- For mobile railway applications
- Tested to EN 50155
- 3 U and 6 U, 84 HP, 235 mm deep, for 160 mm board depth
- Subrack in accordance with IEEE 1101.10

Delivery comprises (kit)

Item	Qty		Description
	3 U	6 U	
1	2	2	Side panel type H with 19" support bracket (tox-cold welded); for textile EMC gasket
2	1	-	Front horizontal rail (H-KD)
2 a	2	2	Rear horizontal rail (H-VT)
2 b	-	1	Rear centre horizontal rail (VT)
2 c	1	2	Front horizontal rail (H-LD)
3	4	6	Threaded inserts
4	2	2	Perforated strip
5	2	2	EMC cover plate, 175 T
6	1	1	EMC gasketing kit
7	1	2	Backplane kit – EMC shielding material
8	2	2	Handles
9	1	1	Assembly kit with self-locking screws
10	1	1	User manual

Order Information

Height	Width	Depth	Part no.
U	HP	mm	
3	84	235	21500-081
6	84	235	21500-082

Accessories

19" dual fixing materials kit suitable for a subrack with double fixing holes (bolts, washers and nuts), PU 1 kit	24566-109
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Note

- Please order guide rails and ESD clips separately, see page 6.81
- Test reports online
- ServicePLUS configuration see from page 6.84
- Further accessories see from page 6.17



ServicePLUS see page 6.84

Subracks - *europacPRO* for railway applications

Kit, SNCF, unshielded

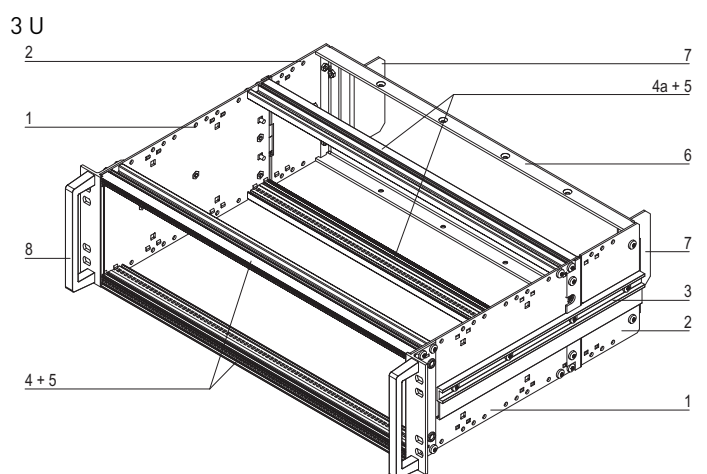


- Subrack, robust "heavy" version, 19" bracket is firmly connected to side panel (tox-cold welded)
- For mobile railway applications
- SNCF listed, europacPRO-fer, tested to NF F 61-005 and NF F 60-002
- 3 U and 6 U, 9 HP and 21 HP, 320 mm deep, for 220 mm board depth

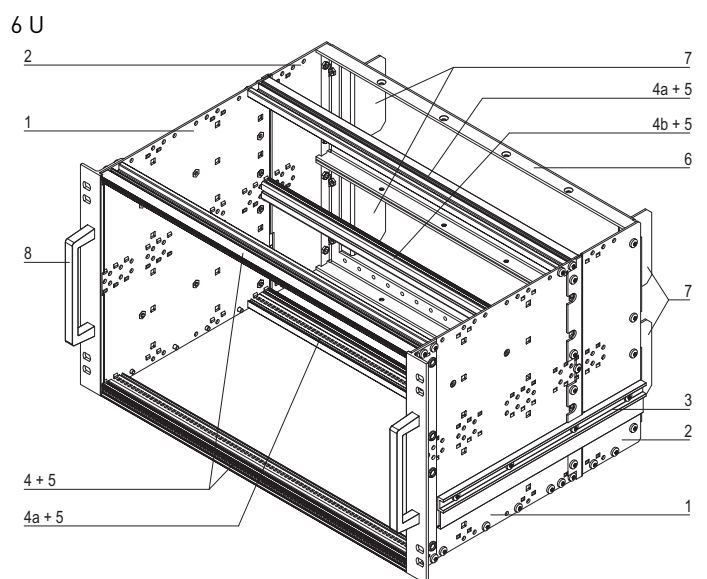


Delivery comprises (kit)

Item	Qty		Description
	3 U	6 U	
1	2	2	Side panel type H with 19" support bracket (tox-cold welded); prepared for textile EMC gasket
2	2	2	Side panel extension
3	2	2	Ducting external
4	2	2	Front horizontal rail (H-KD)
4 a	2	2	Rear horizontal rail (H-VT)
4 b	-	1	Rear centre horizontal rail (VT)
5	4	6	Threaded inserts
6	1	2	Rear frame 3 U, 21 T
7	2	4	Protective bracket SNCF
8	2	2	Handle
9	1	1	Assembly kit with self-locking screws
10	1	1	User manual



06104002

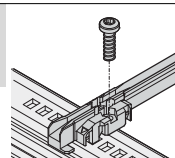


06104050

Order Information

Width mm	Height U	Depth mm	Part no.
36 HP (9 T)	3	320	21500-067
36 HP (9 T)	6	320	21500-070
84 HP (21 T)	3	320	21500-029
84 HP (21 T)	6	320	21500-027

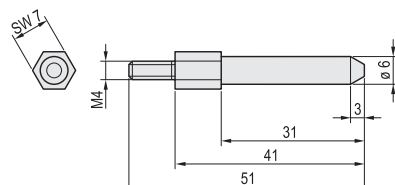
Accessories

Guide rail, standard, 220 mm deep PBT, UL 94 V-0, red, groove width 2 mm, PU 10 pieces, see page 6.36		24560-353
Panhead screw with Torx M2.5 x 9.3, St, zinc-plated, self-locking, PU 100 pieces		21500-039
ESD clip for guide rails PU 50 pieces		24560-255
Coding peg for rear frame, St, white zinc-plated, 1 piece		60895-018
19" dual fixing materials kit suitable for a subrack with double fixing holes (bolts, washers and nuts), PU 1 kit		24566-109

Note

- fer = ferroviaire = French Railways, 1 T = 4 HP = 20.32 mm
- Receptacle/mounting frame for subracks, stainless steel, 9 T or 21 T on request
- Test reports online
- Cover plates for bolting on to side panel see page 6.82
- ServicePLUS configuration see from page 6.84
- Further accessories see from page 6.17

Coding peg



06104051

06104062



ServicePLUS see page 6.84

Subracks - *europacPRO* for railway applications

Kit, SNCF, shielded



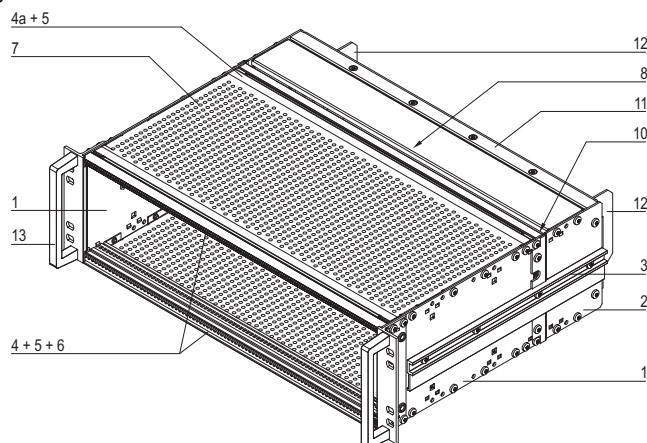
- Subrack, robust "heavy" version, 19" bracket is firmly fixed to side panel (tox-cold welded)
- For mobile railway applications
- SNCF listed, europacPRO-fer, tested to NF F 61-005 and NF F 60-002
- 3 U and 6 U, 9 T and 21 T, 320 mm deep, for 220 mm board depth



Delivery comprises (kit)

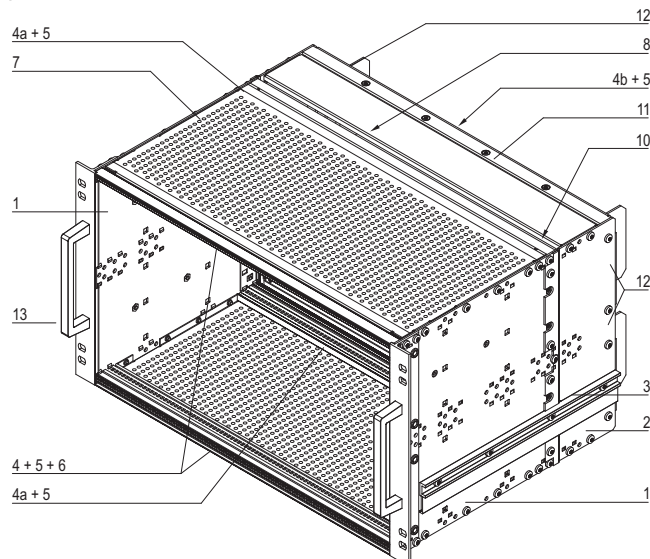
Item	Qty	3 U	6 U	Description
1	2	2		Side panel type H with 19" support bracket (tox-cold welded); for textile EMC gasket
2	2	2		Side panel extension
3	2	2		Ducting external
4	2	2		Front horizontal rail (H-KD)
4 a	2	2		Rear horizontal rail (H-VT)
4 b	-	1		Rear centre horizontal rail (VT)
5	4	6		Threaded inserts
6	2	2		Perforated strip
7	2	2		EMC cover plate 235 T
8	2	2		Rear cover plate, 55 T
9	1	1		EMC gasketing kit
10	1	2		Backplane kit - EMC shielding material
11	1	2		Rear frame, 3 U, 21 T
12	2	4		Protective bracket SNCF
13	2	2		Handles
14	1	1		Assembly kit with self-locking screws
15	1	1		User manual

3 U



06104003

6 U



06104052

Order Information

Width	Height U	Depth mm	Part no.
36 HP (9 T)	3	320	21500-068
36 HP (9 T)	6	320	21500-071
84 HP (21 T)	3	320	21500-030
84 HP (21 T)	6	320	21500-028

Accessories

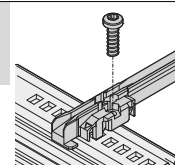
Guide rail, standard, 220 mm deep
PBT, UL 94 V-0, red, groove width 2 mm, PU 10 pieces, see page 6.36

Panhead screw with Torx
M2.5 x 9.3, St, zinc-plated, self-locking, PU 100 pieces

ESD clip for guide rails PU 50 pieces

Coding peg for rear frame, St, white zinc-plated, 1 piece

19" dual fixing materials kit suitable for a subrack with double fixing holes (bolts, washers and nuts), PU 1 kit



24560-353

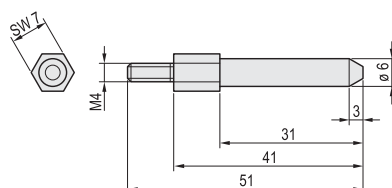
21500-039

24560-255

60895-018

24566-109

Coding peg



06104053

06104062



ServicePLUS see page 6.84

Note

- fer = ferroviaire = French Railways, 1 T = 4 HP = 20.32 mm
- Receptacle/mounting frame for subracks, stainless steel, 9 T or 21 T on request
- Test reports online
- ServicePLUS configuration see from page 6.84
- Further accessories see from page 6.17

Subracks - *europacPRO* for railway applications

Kit, SNCF, shielded, for CompactPCI applications



- Subrack, robust "heavy" version, 19" bracket is firmly fixed to side panel (tox-cold welded)
- For mobile railway applications
- SNCF listed, europacPRO-fer, tested to NF F 61-005 and NF F 60-002
- 3 U and 6 U, 9 HP and 21 HP, 320 mm deep, for 160 mm board depth
- CompactPCI subrack conforming to 1101.10

Delivery comprises (kit)

Item	Qty		Description
	3 U	6 U	
1	2	2	Side panel type H with 19" support bracket (tox-cold welded); for textile EMC gasket
2	2	2	Side panel extension
3	2	2	Ducting external
4	1	-	Front horizontal rail (H-KD)
4 a	2	2	Rear horizontal rail (H-VT)
4 b	-	1	Rear centre horizontal rail (VT)
4 c	1	2	Front horizontal rail (H-LD)
5	4	6	Threaded inserts
6	2	2	Perforated strip
7	2	2	EMC cover plate, 175 T
8	2	2	Rear cover plate, 55 T
9	1	1	EMC gasketing kit
10	1	2	Backplane kit – EMC shielding material
11	1	2	Rear frame, 3 U, 21 T
12	2	4	Protective bracket SNCF
13	2	2	Handles
14	1	1	Assembly kit with self-locking screws
15	1	1	User manual

Order Information

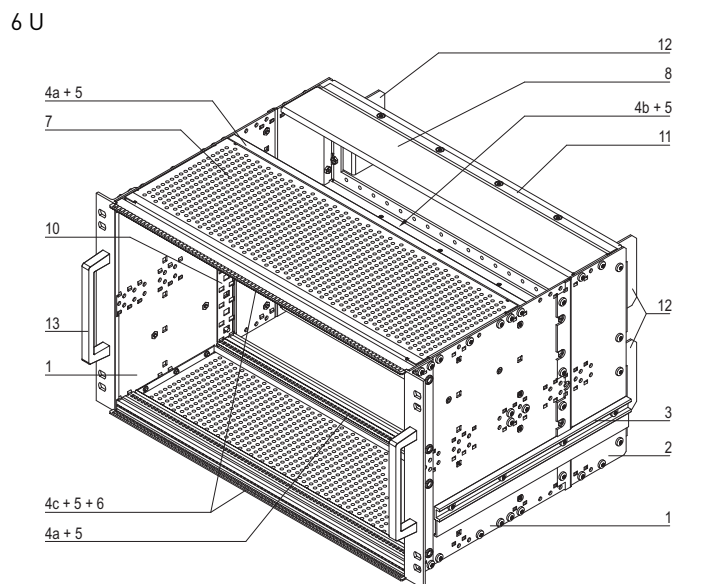
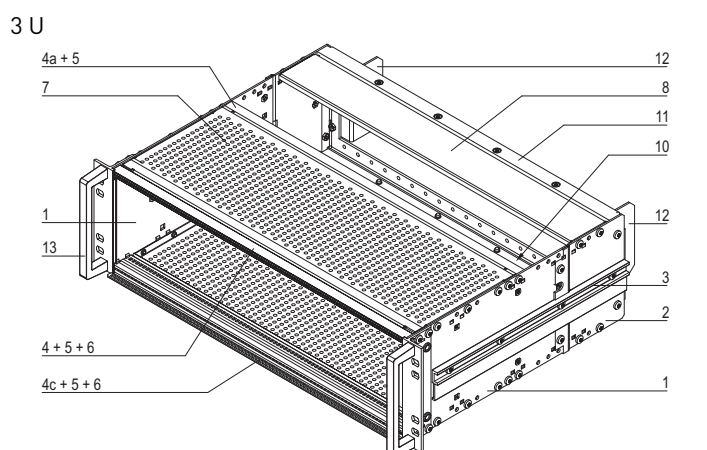
Width	Height U	Depth mm	Part no.
36 HP (9 T)	3	320	21500-069
36 HP (9 T)	6	320	21500-072
84 HP (21 T)	3	320	21500-047
84 HP (21 T)	6	320	21500-046

Accessories

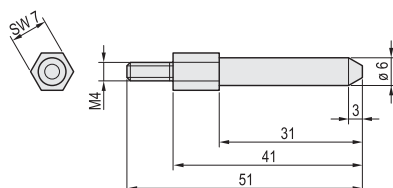
Coding peg for rear frame, St, white zinc-plated, 1 piece	60895-018
19" dual fixing materials kit suitable for a subrack with double fixing holes (bolts, washers and nuts), PU 1 kit	24566-109

Note

- Please order guide rails and ESD clips separately, see page 6.81
- fer = ferroviaire = French Railways, 1 T = 4 HP = 20.32 mm
- Receptacle/mounting frame for subracks, stainless steel, 9 T or 21 T on request
- Test reports online
- ServicePLUS configuration see from page 6.84
- Further accessories see from page 6.17



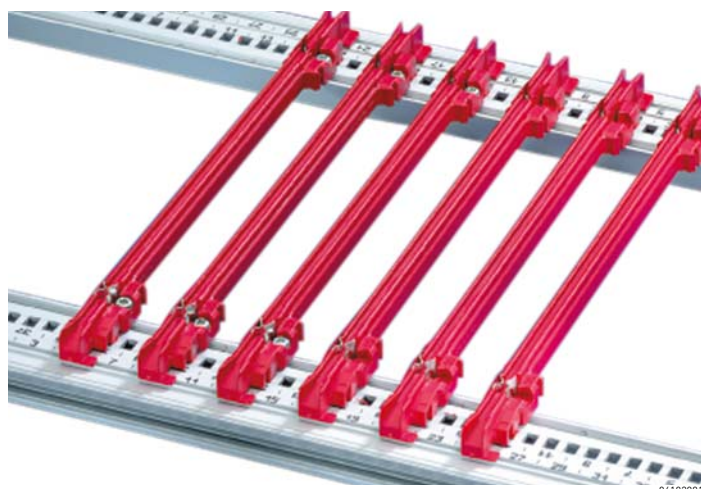
Coding peg



ServicePLUS see page 6.84

Subracks - *europac PRO* for railway applications

Guide rails



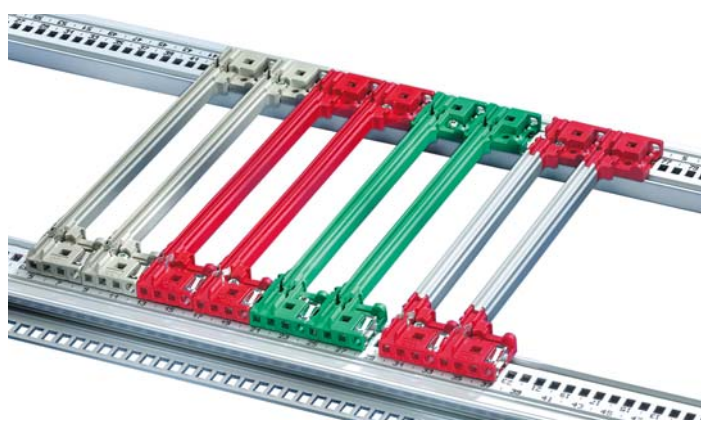
06102001

- Material PBT, UL 94 V-0, red, groove width 2 mm, for 1.6 mm board thickness

Order Information

Description	Depth mm	Qty/PU	Part no.
Guide rails, accessories, 160 mm deep	160	10	24560-351
Guide rails, standard, 220 mm deep	220	10	24560-353
ESD clip for guide rails PU 50 pieces			24560-255

Guide rails with coding for CompactPCI and VME64x



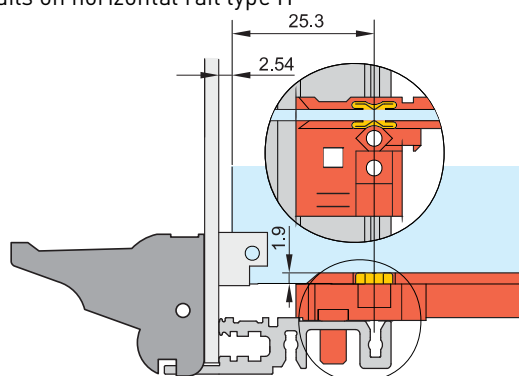
06102003

- The guide rails conform to IEC 60297-3-100 and IEEE 1101.10/11, are 4 HP wide and can be fitted with keying/coding pegs
- Material PBT UL 94 V-0, groove width 2 mm, for board thickness 1.6 mm
- Colour:
 - red (CPU board)
 - grey (periphery board)
 - green (CompactPCI power supply unit, 0.1" offset)

Order Information

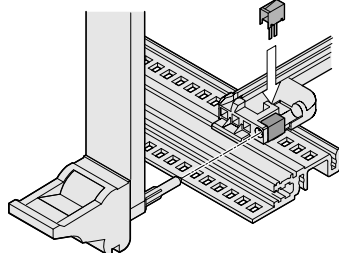
Description	Depth mm	Qty/PU	Part no.
Guide rails with coding, red	160	10	24560-356
Guide rails with coding, grey	160	10	24560-358
Guide rails with coding, green, offset	160	10	24560-359

Guide rails on horizontal rail type H



06103050

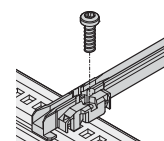
ESD clip for alignment pin



06103052

Panhead screw with Torx

M2.5 x 9.3, St, zinc-plated, self-locking, PU 100 pieces



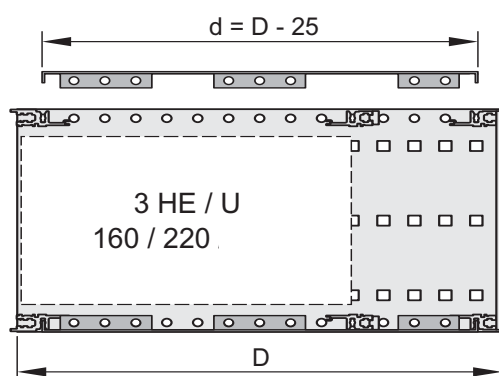
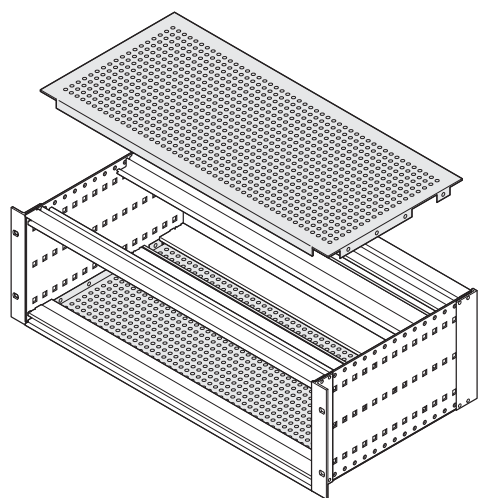
21500-039

ESD clip for guide rails PU 50 pieces	24560-255
ESD clip for alignment pin of CPCI/VME64x handle PU 50 pieces	24560-256
Coding peg PC, UL 94 V-0, RAL 7035, PU 100 pieces	20817-501

- More guide rails see page 6.36
- For inserter/extractor handle type IEL/IET for CompactPCI or VME64x applications see Subracks/Plug-in units section, page 7.18

Subracks - *europac PRO* for railway applications

Cover plate for screw-fixing onto side panel



Side view for 175 mm and 235 mm depths

- Suitable for use with all horizontal rails
- Cover plate for mounting of 160 mm, 220 mm or 280 mm deep PCBs
- Lateral notch to mount the horizontal rails in depths of 160 mm or 220 mm
- Shielding by optional EMC stainless steel contact strips between cover plate and horizontal rail

Delivery comprises

Item	Qty	Description
1	2	Cover plate, Al, 1.0 mm, clear chromated, hole diameter 4.0 mm, (no perforation at 55 mm depth)
2	16/32	Torx M4 x 6 pentaform bolts, St, zinc-plated

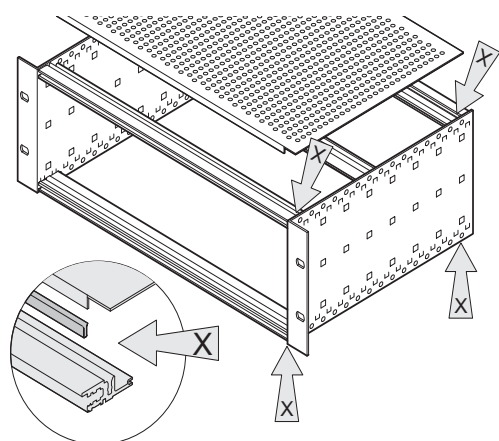
Order Information

Width HP	Depth D mm	Application	Part no.
84	55	–	21500-038
84	175	160	21500-048
84	235	160, 220	21500-037
36	55	–	21500-123
36	175	160	21500-124
36	220	160, 220	21500-122

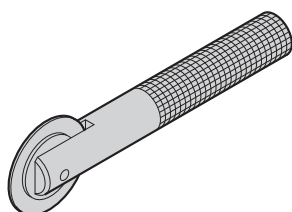
Note

- 4 stainless steel EMC gaskets are necessary per subrack, see page 6.82

EMC gasket (stainless steel) between cover plate and horizontal rail



Assembly tool



- Stainless steel gasket is clipped into horizontal rail and forms the contact cover plate
- Fits all horizontal rails

Order Information

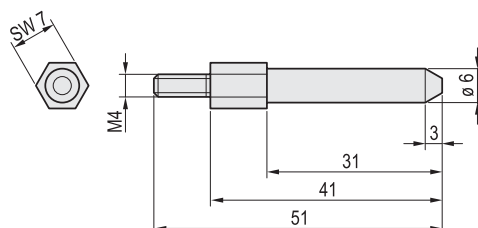
Width HP	Length mm	Qty/PU pieces	Part no.
42	182.4	10	24560-241
63	284.0	10	24560-243
84	395.7	10	24560-245
84	395.7	100	24560-246
Assembly tool For mounting of EMC sealing, St, stainless, in horizontal rails, 1 piece			24560-271

Note

- When a rear hood is used, the stainless steel EMC gasket ensures the conductive connection between horizontal rail and rear hood

Subracks - *europac PRO* for railway applications

Coding peg for rear frame (NFF standard)



06104062

Order Information

Description	Qty/PU	Part no.
Coding peg, St, white zinc-plated	1	60895-018

Rear hood for 3 U and 6 U subracks (for stainless steel EMC gasket)

Order Information

Height U Width HP bza45814		Rear hood bza45819 Al, 1 mm, clear passivated; 60 mm additional side panel depth required (board depth + 60 mm); for shielding please order EMC gasket for horizontal rail separately; cannot be used simultaneously with rear corner profile	Stainless steel EMC gasket, between cover plate and horizontal rail 06106052 stainless steel EMC gasket, clips into the horizontal rail and forms the contact with the cover plate; suitable for all horizontal rails
Torx panhead screw, M4 × 6, St, zinc-plated, PU 100 pieces		1 piece 34561-750 34561-752 34561-763 34561-764	PU 10 pieces 24560-241 24560-245 24560-243 24560-245
Assembly tool, For EMC gasket, stainless steel (horizontal rails), 1 piece		24560-135	–
		–	24560-271

Note

- Other dimensions of rear hood available on request

Subracks – for railway applications ServicePLUS



configuration

Simple. Fast. For the product you want.

Components can be varied and combined freely

- Configuration tables from page 6.17
- Online configuration: www.schroff.co.uk/configuration



assembly

Assembled by professionals. Double benefit!

Fitting of all mechanical, electrical and electronic components by our specialists

- Professional and reliable from quantity 1
- Ready for despatch within 5 working days



modification

Small changes. Large impact.

Custom drillings, cut-outs and special colours for off-the-shelf products

- Custom modifications from quantity 1
- Ready for despatch within 10 working days



solution

Simple. Fast. From one source.

Integration and custom developments

- Special sizes (depth and width)
- Individual heat dissipation concepts
- Ready for despatch within 10 working days



express

When fast has to be faster.

Delivery time to customer's request

- Express logistics



academy

Knowledge. Sharing. Partnerships.

Knowledge transfer and partnership

- Seminars, CAD drawings, test reports, user reports

Subracks – for railway applications ServicePLUS

Application examples



Application: Subrack receptacle/mounting frame

06108006



Application: Automatic train control system

06108020



Application: Signalling control systems

41108002



Application: Mobile telephony system

41108001



Application: Control system

Csee_DSCN2296



Application: Train control system

01004031

Appendix – Order notes

Packaging units

A packaging unit (PU) - e.g. carton, bag - contains the stated quantity. If you order the quantity 1, you will automatically receive the quantity defined as PU.

Example: EMC textile gasket
See page 5.22
Part number 21101-853

Quantity (per part number): 10 pieces

Order quantity: Delivery quantity:

1	10 pieces
2	20 pieces
3	30 pieces

Price list

Our price list is available by e-mail from your customer consultant.
Please find all contact details at www.schroff.biz/contact.

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VARISTAR: www.varistar.co.uk

Railway technology: www.schroff.co.uk/railway

IT Infrastructure: www.schroff.co.uk/datacom

Standard pack quantity (SPQ)

Please take into consideration that deliveries may be carried out in the stated SPQs (SPQ, e.g. 5 pieces, 10 pieces, 50 pieces, etc.). Differing order quantities (e.g. 2 pieces) may be changed to the next possible delivery quantity = Standard Pack Quantity (in this case 10 pieces).

Example: Front horizontal rail
See page 5.31
Part number 34560-228

Quantity (per part number): 1 piece
Standard pack quantity (SPQ): 10 pieces

Order quantity: Delivery quantity:

≤ 10	10 pieces
> 10 ≤ 20	20 pieces
> 20 ≤ 30	30 pieces

Delivery times

Part numbers in bold face type are ready for despatch within 2 working days; part numbers in normal type are ready for despatch within 10 working days.

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Responsible for contents and print

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