

Product description

MAIN FEATURES

Based on the Systemkit 12K, the 12K Rail was specially designed and tested for applications in the railway sector. It thus fulfills all technical requirements according to EN50155.

SYSTEMKIT 12K RAIL



- › Tested for SNCF approval
- › Tested according to NF F61-005 and NFF 60-002 / NF F67-012

PRODUCT VARIETY

- › 3 and 6 U
- › 21 T
- › 320 mm for card depth 160 and 220 mm

POSSIBLE CUSTOMIZATIONS

- › Can be combined with components from the Systemkit 12K (e.g. EMC protection)

TYPICAL APPLICATIONS

- › Rolling stock in railway section

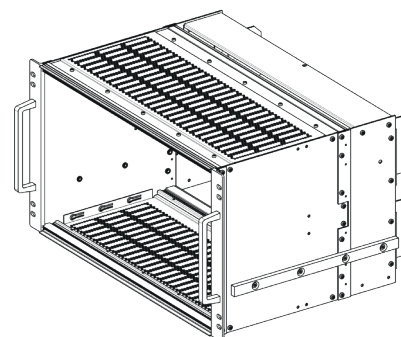
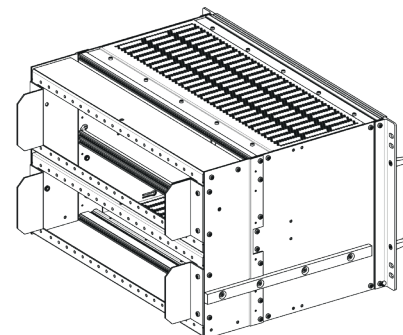
Subrack

SYSTEMKIT 12K RAIL SNCF | UNSHIELDED

- SNCF listing No. 1306/058
- Tested according to NF F61-005 and NFF 60-002 / NF F67-012
- 3 and 6 U, 21 T, 320 mm for board depth 160 and 220 mm

Delivery of scope:

- 2 side panels
- 2 side panels extrusions
- 2 external guide rails
- 2 front extrusions
- 2 internal extrusions
- 2 height extrusions
- 2 insulation strips (4 pieces for 6 U)
- 1 double extrusion (6 U only)
- 4 tapped strips (6 pieces for 6 U)
- 1 rear frame (2 pieces for 6 U)
- 2 protection brackets SNCF (4 pieces for 6 U)
- 2 handles
- Assembly material (Torx)



Description	Part No.
Systemkit 12K Rail SNCF 3 U x 84 HP (21 T) x 320 mm	12KR384-10
Systemkit 12K Rail SNCF 6 U x 84 HP (21 T) x 320 mm	12KR684-10

Note: 1 T = 4 HP = 20.32 mm,
Version 9 T (36 HP) available on request

BOTTOM / TOP PANEL WITH.....

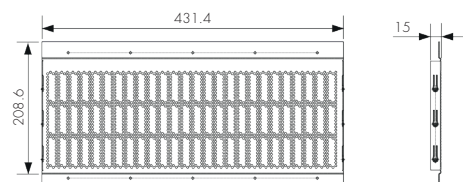
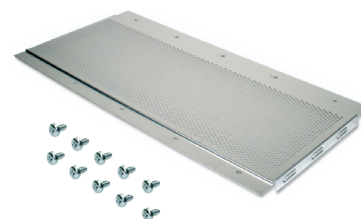
- To shield and protect the sub rack
- Material: Aluminium 1 mm
- Incl. EMC contacts

Delivery of scope:

- 1 bottom / top cover panel
- Assembly material (10 Torx screws M3 x 6)

Description	Part-No.
Bottom / top panel perforated 84 HP (21 T) 208.6 mm (card depth 220 mm)	12KR100
Bottom / top panel perforated 84 HP (21 T) 148.6 mm (card depth 160 mm)	12KR102

Note: 1 T = 4 HP = 20.32 mm,
Version 9 T (36 HP) available on request



Subrack

SYSTEMKIT 12K RAIL SNCF | UNSHIELDED

BOTTOM / TOP PANEL AT THE REAR

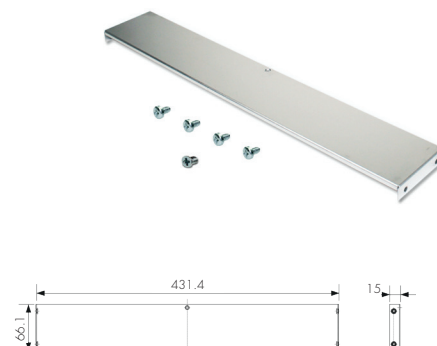
- SNCF-specific protection
- Material: Aluminium 1 mm

Delivery of scope:

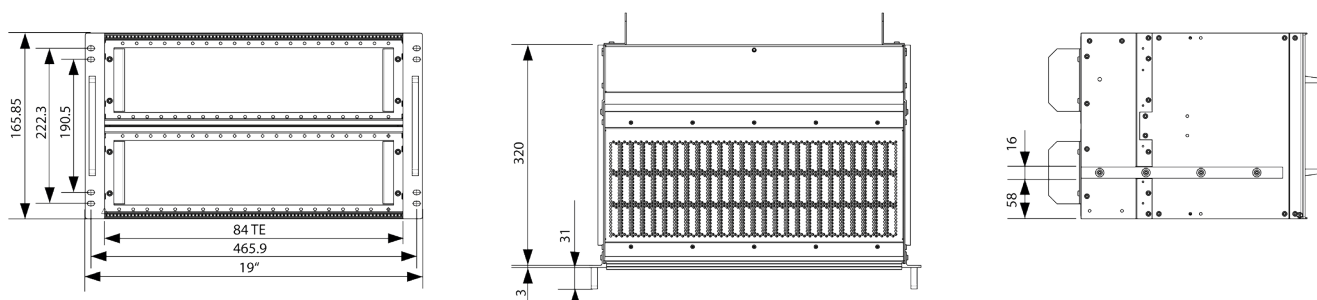
- 1 bottom / top cover panel
- Assembly material (4 x Torx M4 x 6, 1 x countersunk cross recessd M4 x 5)

Description	Part No.
Bottom / top panel at the rear, solid, 66.2 mm	12KR101

Note: 1 T = 4 HP = 20.32 mm,
Version 9 T (36 HP) available on request



DRAWING SYSTEMKIT 12K RAIL SNCF | 6 HE



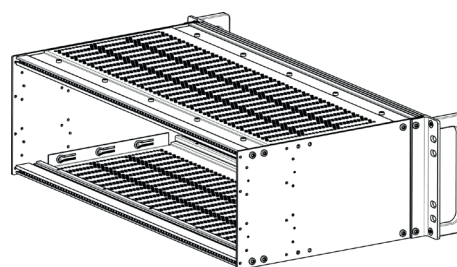
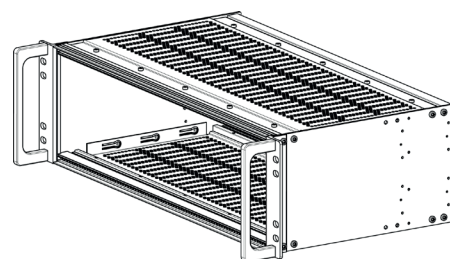
SYSTEMKIT 12K RAIL EN50155 | UNSHIELDED

- Subrack according to IEC and IEEE (CompactPCI)
EEE version needs additional bottom / top panels
- Tested according to EN50155
- 3 and 6 U, 84 HP, 240 mm for card depth 160 and 220 mm

Delivery of scope:

- 2 side panels
- 2 front extrusions
- 2 internal extrusions
- 2 height extrusions
- 1 double extrusion (6 U IEC only)
- 4 tapped strips (6 pieces assembly material (Torx))
- 2 handles
- Assembly material (Torx)

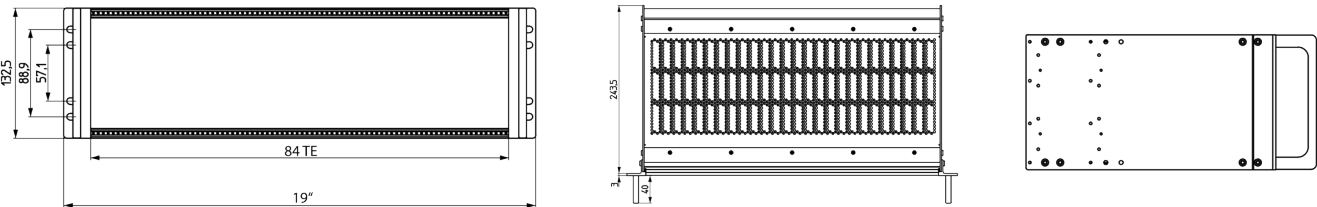
Description	Part No.
Systemkit 12K Rail EN50155 3 U x 84 HP x 240 mm 4 I IEC	12KR384-20
Systemkit 12K Rail EN50155 6 U x 84 HP x 240 mm 4 I IEC	12KR684-20
Systemkit 12K Rail EN50155 3 U x 84 HP x 240 mm 4 I IEEE	12KR384-21
Systemkit 12K Rail EN50155 6 U x 84 HP x 240 mm 4 I IEEE	12KR684-21



Subrack

SYSTEMKIT 12K RAIL EN50155 | UNSHIELDED

DRAWING SYSTEMKIT 12K RAIL EN50155 | 3 HE



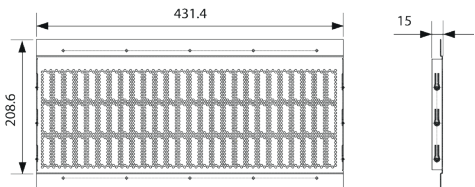
BOTTOM / TOP PANEL FOR EMC SHIELDING

FOR SYSTEMKIT 12K RAIL SCNF AND EN50155

- To shield and protect the subrack
- Material: Aluminium, 1 mm
- Incl. EMC contacts

Scope of delivery:

- 1 bottom / top cover panel
- Assembly material (10 Torx screws M3 x 6)



Description	Part No.
Bottom / top panel perforated 84 HP (21 T), 208.6 mm (card depth 220 mm)	12KR100
Bottom / top panel perforated 84 HP (21 T), 148.6 mm (card depth 160 mm)	12KR102

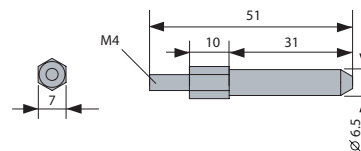
Note: 1 T = 4 HP = 20.32 mm,
Version 9 T (36 HP) available on request

Accessories

CODING STUD

- For SNCF back frame
- Galvanised steel

Description	Part No.	
	1 piece	100 pieces
Coding stud	61-217	61-217-2



EMC SHIELDING MATERIAL

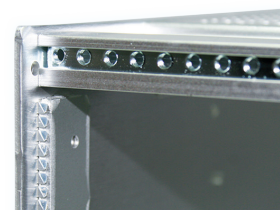
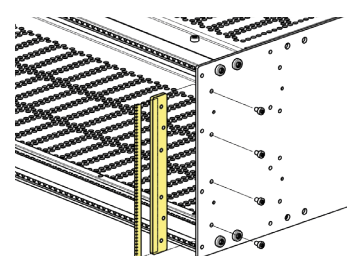
BACKPLANE SHIELDING | VERTICAL

- Backplane can be used as a shielding rear panel
- For horizontal contact the internal extrusion has to be mounted without insulation strips
- Carrying plate has to be mounted directly on the side panel

Scope of delivery:

- 2 carrying plates, aluminium, conductive incl. assembly material (Torx)
- 2 EMC contact strips
- For 6 U are 2 sets required

Description	Part No.
Set backplane shielding vertical 3 U	12KR110



EMC CONTACT STRIPS

- For front panels, fixing on extrusion
- Self-adhesive
- Scope of delivery: 2 contact strips

Width	Length	Part No.
42 HP	212.1 mm	63-836-67
63 HP	318.1 mm	63-836-68
84 HP	424.2 mm	63-836-70



Accessories

CODING STUD

EMC GASKET | FOR HEIGHT EXTRUSION TO FRONT PANEL

- One slot per front panel
- Application: height extrusion front/rear, front panel
- Gasket slides onto extrusion



Height	mm	Part No.		
		1 piece	10 pieces	100 pieces
3 U	101.6 mm	81-062-03	81-062-03-1	81-062-03-2
6 U	234.95 mm	81-062-06	81-062-06-1	81-062-06-2

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