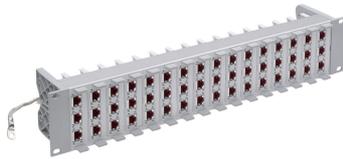# Product information

19" 2U Global Patch Panel 48xRJ45/s, Cat. 6A, fully populated

R509886
966733645
1 Pcs.

- 19" 2U Global patch panel/s
- 16 connection module holders 2U Global/s
- Grounding system
- 48 Cat. 6A ISO connection modules, RJ45/s incl. EMC covers and dust covers
- Labeling strips
- 19" mounting kit
- Cable ties
- Installation instructions

090.5369

Technical Data

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Standard	IEC 60603-7-51: Electrical Characteristics of the Telecommunication Outlets ISO/IEC 11801 ed. 2.2: June 2011 EN 50173-1: May 2011
Protection class IP	IP 20
PoE	Yes
Shielding connector (A)	shielded
Connector type (A)	RJ45
Category connector (A)	Cat. 6_A ISO
Number of connectors (A)	48
Holder for connector / module	Module holder
Assembly	fully populated
Fastening	19 "
Rack mounting version	patch panel
Capacity (ports)	48
Amount of height units	2 U

Mechanical Data

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Width	482.6 mm
Height	88.1 mm
Depth	82 mm
Color Code NCS	S 2502-B

Modular patch panel accommodating up to sixteen connection module holders 2U Global/s, installation-friendly thanks to snap-and-go technique, featuring a complete grounding system and 2U Global blind cover. Designed

to accommodate Designed to accommodate the R&M security and the R&M environment system, with its 3-level protection concept: color coding, mechanical coding, locking option. Exchangeable labeling strips, fastening kit, labeling fields, tool-free locking and unlocking system. Automatic ground contacting by spring contacts. Profile aluminum, colorless chromatized; side panel plastic (PC), fiberglass-reinforced, halogen-free, color medium gray (NCS 2502-B).

Connection module holder 2U Global, shielded, plastic (PC), halogen-free, color light gray (NCS 1005-R80B).

RJ45 connection module of Cat. 6A ISO, for the setting up of transmission channels of Class EA with up to 4 plugged connections acc. to ISO/IEC 11801 ed. 2.2, June 2011, EN 50173-1 May 2011 (DIN EN 50173-1) and Class F on 2 pairs, complies with Cat. 6A requirements of the standards ISO/IEC 11801 ed. 2.2, June 2011, EN 50173-1 May 2011, as well the U.S. standard Cat. 6A according to TIA 568-C.2, re-embedded tested in acc. with IEC 60603-7-51 and 60512-27-100, interoperable and backwards compatible with Category 6 and Category 5e. Suitable for 10GBASE-T applications in acc. with IEEE 802.3™ Section Four up to 500 MHz and 100 m.

Tested in line with R&M's manufacturing control, performing 100% inspection.

Compatible with RJ standard plugs (RJ11, RJ12, RJ45), connection with automatic wire cutting of installation cables AWG 26 – 22 (0.4 mm – 0.65 mm) and flexible cables AWG 26/7 – AWG 22/7 without special tools. X-Separator for individual pair shielding. Parallel pair termination without crossover in acc. with TIA 568-A/B, gold-plated bronze contacts for >1000 mating cycles, IDC contacts with >20 insertion cycles, contact resistance <5 mOhm, dielectric strength >1000 Veff. PoE and PoE+ compatible according to IEC 60512-99-001. 90° wire orientation without bending cable. With integral cable strain relief, including dust cover. Shield contacting by patented shield lance with integral cable strain relief, shield material tin-coated bronze, ground contacting through 1 contact finger for flat connectors 4.8 x 0.5 mm.

Material: halogen-free and heavy-metal free in acc. with EU directives RoHS 2.

Connection module Cat. 6A ISO, shielded, with EMC cover, dust cover, mounting plate, cable tie and installation instructions.

	Description	PU	Product No.
	Suitable for laser printers. Material: paper, white, perforated.	1 Pcs.	R503380
	Plastic plate with four mounted jumpering brackets. For a neat, horizontal routing of patch cords between patching fields. The reinforced plastic plate and snap-in jumpering brackets provide additional stability and quick mounting.	1 Pcs.	R306179
	Plastic plate with eight mounted jumpering brackets. For a neat, horizontal routing of patch cords between patching fields. The reinforced plastic plate and snap-in jumpering brackets provide additional stability and quick mounting.	1 Pcs.	R306180
	For vertical cable management with the Global 2U patch panel. Fast installation – slides under Global 2U panel mounting screws. Flexible – mounts on left or right outside of panel. Saves space through higher port densities.	1 Pcs.	R505851

	Description	PU	Product No.
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305685
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305686
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305687
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305688
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305689
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305690
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305691

	Description	PU	Product No.
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305692
	Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.	10 Pcs.	R305693
	Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54.	10 Pcs.	R306063
	Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54.	10 Pcs.	R306058
	Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54.	10 Pcs.	R306060
	Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54.	10 Pcs.	R306061
	Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54.	10 Pcs.	R306062

	Description	PU	Product No.
	Color code: blue, red, green, anthracite. Fitting R&M Smartholes.	20 Pcs.	R25107
	Color code: yellow, brown, violet, white. Fitting R&M Smartholes.	20 Pcs.	R25676
	Prevents RJ45 plugs (data) being plugged into RJ45 outlets defined as telephone sockets (RJ11 connectors) by mistake. Compatible with R&M RJ45 modules.	10 Pcs.	R310835
	RJ45 connection protection for outlets and patch panels. Fitting R&M Smartholes.	20 Pcs.	R304825
	RJ45 connection protection for outlets and patch panels. Fitting R&M Smartholes.	20 Pcs.	R304827
	RJ45 connection protection for outlets and patch panels. Fitting R&M Smartholes.	20 Pcs.	R304826