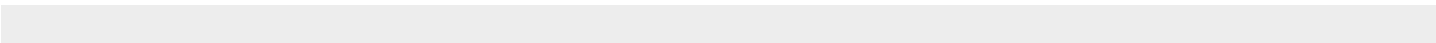# 19" 1U HD Basic Patch Panel 48xRJ45/s, Cat. 6A, gray, fully populated

- 19" 1U HD Basic patch panel
- 4 12-port/s connection module holders HD
- Grounding system
- 48 connection modules RJ45/s incl. EMC covers and dust covers
- 19" mounting kit
- Cable ties
- Installation instructions

090.6125

TECHNICAL DATA

DESCRIPTION	VALUE/VALUE RANGE
Standard / norm	IEC 60603-7-51: Electrical Characteristics of the Telecommunication Outlets ISO/IEC 11801 EN 50173-1
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
Assembly	fully populated
Fastening	19 "
Rack mounting version	patch panel
Capacity (ports)	48
Amount of height units	1 U

MECHANICAL DATA

DESCRIPTION	VALUE/VALUE RANGE
Dimensions	482.6 mm x 43.2 mm x 75.5 mm / 19 in x 1.701 in x 2.972 in (W x H x D)
Color	steel, blue, chromatized / front, gray (NCS 2502-B)
Material	steel: DC01 (1.0330), 1.5 mm

Modular patch panel accommodating up to four connection module holders HD Panel, installation-friendly thanks to snap-and-go

technique, featuring a complete grounding system and optional blind covers. Designed to accommodate the R&M HD security system, with its 2-level protection concept: color coding, locking option or automated infrastructure management systems. Optional labeling strips, fastening kit, integrated port numbering, tool-free locking and unlocking system. Automatic ground contacting by spring contacts. Sub-rack material sheet steel, colorless chromatized, side panels plastic (PC), halogen-free, color medium gray (NCS 2502-B).

4 slots populated with

Connection module holders HD, 12-port, shielded, plastic (PC), fiberglass-reinforced, halogen-free, color light gray (NCS 1005-R80B).

48 ports populated with

RJ45 connection module of Cat. 6_A ISO, for the setting up of transmission channels of Class E_A with up to 4 plugged connections acc. to ISO/IEC 11801, EN 50173-1 (DIN EN 50173-1) and Class F on 2 pairs, complies with Cat. 6_A requirements of the standards ISO/IEC 11801, EN 50173-1, as well the U.S. standard Cat. 6_A according to TIA/EIA 568.2-D, 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. Supports PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4PpoE (IEEE 802.3bt) and is compatible to IEC 60512-99-001/002. 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. 6_A ISO, shielded, with EMC cover, dust cover, cable tie and installation instructions.
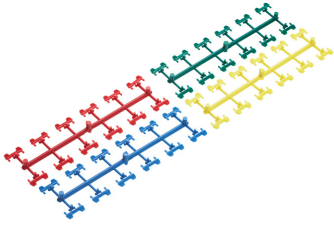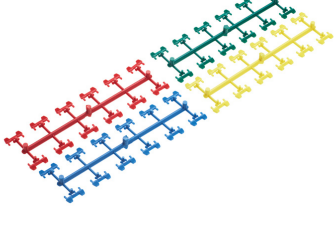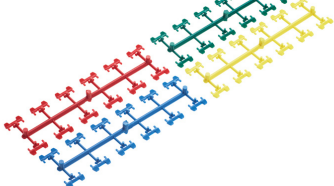
OPTIONAL ACCESSORY

FOTO	DESCRIPTION	PU	PRODUCT NO.
	Label Holder HD	4 pcs	R512430
	Insulation Washer Kit, 4	1 pcs	R802947
	Protective Conductor Terminal 6 mm²	1 pcs	R302150
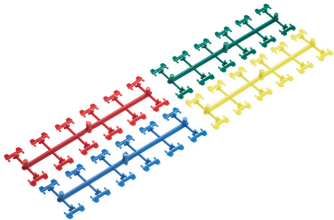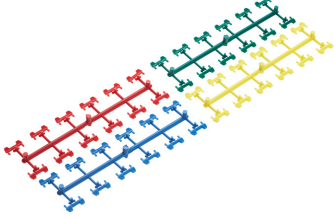
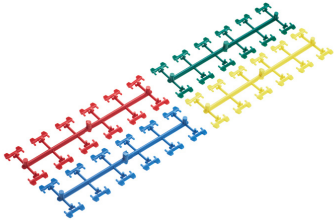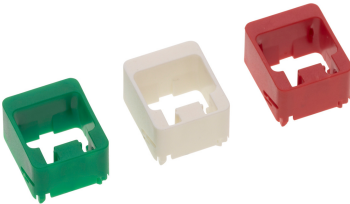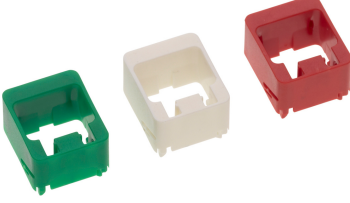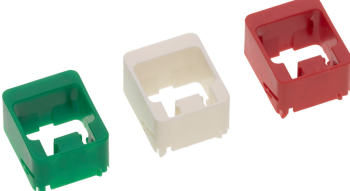| FOTO	DESCRIPTION	PU	PRODUCT NO.
	HD Hinged Dust Cover, anthracite	10 pcs	R512748
	HD Hinged Dust Cover, blue	10 pcs	R512749
	HD Hinged Dust Cover, brown	10 pcs	R512750
	HD Hinged Dust Cover, yellow	10 pcs	R512751
	HD Hinged Dust Cover, gray	10 pcs	R512752
	HD Hinged Dust Cover, green	10 pcs	R512753
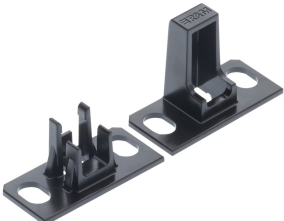
19" 1U HD Basic Patch Panel 48xRJ45/s, Cat. 6A, gray, fully populated

FOTO	DESCRIPTION	PU	PRODUCT NO.
	HD Hinged Dust Cover, red	10 pcs	R512754
	HD Hinged Dust Cover, violet	10 pcs	R512755
	HD Hinged Dust Cover, white	10 pcs	R512756
	PC Coding Clip, blue	1 pcs	R812461
	PC Coding Clip, yellow	1 pcs	R812460
	PC Coding Clip, green	1 pcs	R810640

FOTO	DESCRIPTION	PU	PRODUCT NO.
	PC Coding Clip, red	1 pcs	R810639
	PC Coding Clip, grey	1 pcs	R820300
	PC Coding Clip, brown	1 pcs	R832236
	HD Plug Guard RJ45, green	20 pcs	R512757
	HD Plug Guard RJ45, white	20 pcs	R512758
	HD Plug Guard RJ45, red	20 pcs	R512759

19" 1U HD Basic Patch Panel 48xRJ45/s, Cat. 6A, gray, fully populated

FOTO	DESCRIPTION	PU	PRODUCT NO.
	R&MinteliPhy Sensorbar, HD panel Cat. 6A, FO (24 / 48 ports)	1 pcs	R809353
	R&MinteliPhy Sensorbar, mounting kit spare parts (qty 10)	10 pcs	R809355