# Product information

## 19" 1U PC Patch Panel 24xRJ45/s, Cat. 6A EL, gray, fully populated

R813489
1 pcs

- 19" 1U 24-port patch panel, empty, shielded
- 24 RJ45 Cat. $6_A$ EL connection modules, shielded and dust covers
- 19" mounting kit
- 4 labeling strips
- Cable ties
- Installation instructions

090.7197

### Technical Data

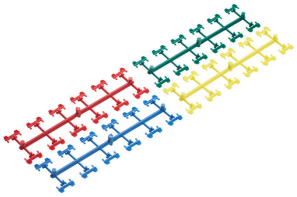
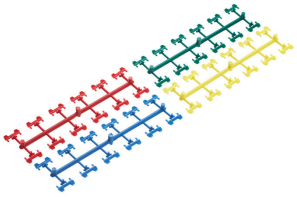
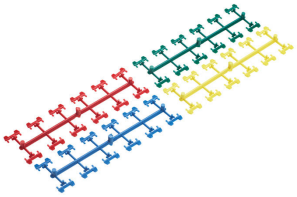
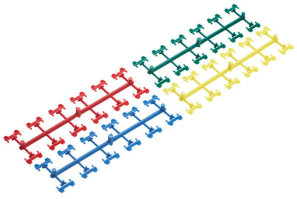
| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|---|---|
| Standard | IEC 60603-7-51: Electrical Characteristics of the Telecommunication Outlets<br>ISO/IEC 11801-1 Ed 1.0 2017-11<br>EN 50173-1: May 2011 |
| Protection class IP | IP 20 |
| PoE | Yes |
| Shielding connector (A) | shielded |
| Connector type (A) | RJ45 |
| Category connector (A) | Cat. $6_A$ ISO |
| Number of connectors (A) | 24 |
| Holder for connector / module | Special (without mounting plate) |
| Assembly | fully populated |
| Fastening | 19 " |
| Rack mounting version | patch panel |
| Capacity (ports) | 24 |
| Amount of height units | 1 U |

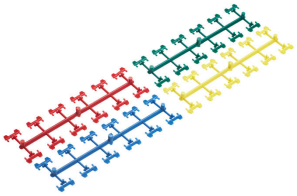
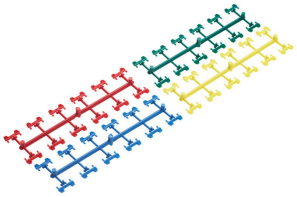
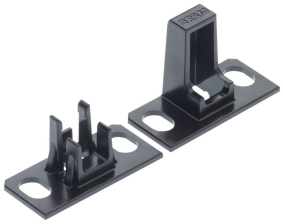
### Mechanical Data

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|---|---|
| Dimensions | 482.6mm x 43.65mm x 83.4mm (W x H x D) |
| Color | front, medium gray (NCS 2502-B) / steel, blue, chromatized |
| Material | plastic: PC, fiber-glass reinforced / steel: DC01 (1.0330), 1.5 mm |

Modular patch panel with integrated cable tie shelf, integrated grounding system, 19" fastening kit, labeling fields with exchangeable labeling strips. The ports are prepared for a visual color coding system and automated infrastructure management systems. Panel polycarbonate, fiber-glass-reinforced, halogen-free material, UL 94 listed and steel: DC01 (1.0330), 1.5 mm. Color front: medium gray (NCS 2502-B) / steel: blue, chromatized. RJ45 connection module of Cat.$6_A$ ISO, for the setting up of transmission channels of Class $E_A$ with up to 4

connectors acc. to ISO/IEC 11801 ed. 2.2, June 2011, EN 50173-1 May 2011 (DIN EN 50173-1), complies with Cat.$6_A$ 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. Each module has an own serial number and is traceable.
Compatible with RJ standard plugs (RJ11, RJ12, RJ45), connection of installation cables AWG 26 – 22 (0.4 mm – 0.65 mm) and flexible cables AWG 26/7 – AWG 22/7 without special tools. Parallel pair termination without crossover in acc. with TIA 568-A/B, gold-plated bronze contacts for >1000 mating cycles, IDC contacts with ≥4 insertion cycles acc. to IEC 60352-3, 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. With integral cable strain relief, including dust cover, nickel plated zinc die-cast housing, ground contacting through 1 contact finger for flat connectors AMP 2.8 x 0.5 mm.
Material: halogen-free and heavy-metal free in acc. with EU directives RoHS 2.
Connection module Cat.$6_A$ EL, die-cast, shielded and dust cover.

| | Description | PU | Product No. |
|---|---|---|---|
| | Labeling Sheet Fiberliner / 3U Global Module Holder | 1 pcs | R30871 |
| | Basic Blind Cover, white | 12 pcs | R812462 |
|  | PC Coding Clip, blue | 1 pcs | R812461 |
|  | PC Coding Clip, yellow | 1 pcs | R812460 |
|  | PC Coding Clip, green | 1 pcs | R810640 |
|  | PC Coding Clip, red | 1 pcs | R810639 |

| | Description | PU | Product No. |
|---|---|---|---|
|  | PC Coding Clip, grey | 1 pcs | R820300 |
|  | PC Coding Clip, brown | 1 pcs | R832236 |
| | Patching Ring left / right, 75 mm, gray | 1 pcs | R302005 |
| | R&MinteliPhy Sensorbar, 1U PC patch panel Cat. 6A ISO / Cat. 6A EL (24 ports) | 1 pcs | R812772 |
|  | R&MinteliPhy Sensorbar, mounting kit spare parts (qty 10) | 10 pcs | R809355 |