Data sheet R832193

Connection Module Cat. 6 EL, 1xRJ45/u, Special, 10x

PRODUCT_IMAGE

DESCRIPTION

The module for the classic office cabling. Easy to install with solid Cat. 6 performance.
The R&Mfreenet Category 6 EL connection modules, part of the Freenet cabling system, are ideal for voice, fast data transmissions and high bandwidth applications. This highperformance Category 6 module is perfect for use in 1 Gigabit Ethernet (1GBASE-T) and future high-speed applications up to 250 MHz.

SCOPE OF SUPPLY

- RJ45 Cat. 6 EL connection module, unshielded
- Dust cover

TENDER

RJ45 connection module of Cat. 6 ISO, for the setting up of transmission channels of Class E with up to 4 connectors acc. to ISO/IEC 11801, EN 50173-1, (DIN EN 50173-1), complies with Cat. 6 requirements of the standards ISO/IEC 11801, EN 50173-1 as well the U.S. standard Cat. 6 according to TIA/EIA 568.2-D, re-embedded tested in acc. with IEC 60603-7-4 and 60512-27-100, interoperable and backwards compatible with Category 5e.

Suitable for 1 GBASE-T applications in acc. with IEEE 802.3™ Section Four up to 250 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. Blue / black plastic housing.

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

Connection module Cat. 6 EL, blue / black, unshielded and dust cover.

GET MORE

- Just two components
- Terminated in just a few steps
- Integrated strain relief
- Installation not requiring specialized knowledge
- Shielded and unshielded
- For all cable types and diameters
- Can be rewired
- Compatible with common platforms
- Fully tested
- Reliable insulation displacement contacting (IDC)
- Independently certified

• R&M warranty program Productive

FEATURES

• Meets the Category 6 TIA and ISO component specification for the entire re-embedded plug range as specified by the standards TIA/EIA 568.2-D, ISO/IEC 11801, EN 50173, IEC 60603-7-5 and 60603-7

• Exceeding the IEEE 802.3 an minimum requements for 1GBASE-T performance

• Achieves best transmission characteristics with R&Mfreenet Category 6 patch cables

• Gold-plated contact area and tin-plated insulation displacement contact area

• Capacitive and inductive compensation

• Compatible with Category 6 standard patch cords and cables

• Full mechanical and electrical backward compatibility with Category 5e

• RJ-11/12/14 compatible

• Fits into 3rd party outlets and patchpanel with 4 different adapters

• Tool-free (w/o special tools) connection of installation cables of AWG 22 - 26 plus stranded cables of AWG 22/7 - 26/7

• Wiring option according to TIA 568 A and B with parallel termination of the pairs without splitting of pair 3,6

• Label with color wiring chart, integrated production date and serialnumber (each module) for quality tracing

• Halogen-free materials

• PoE and PoE+ compatible

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Category connector (A)	Cat. 6
Connector type (A)	RJ45
Shielding connector (A)	unshielded
Protection class IP	IP 20
PoE	Yes
PowerSafe	Yes
Connector class	connection module
Wiring diagram	T568A and T568B
Holder for connector / module	Special (without mounting plate)
Poles	8

MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Color	blue / black

ELECTRICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Standard	EN 50173-1 IEC 60603-7-4: Electrical Characteristics of the Telecommunication Outlets ISO/IEC 11801