



090.5327

DESCRIPTION

R&M s Cat. 5e connection modules, from the R&Mfreenet cabling system, are ideal for voice and fast data transmissions. This high-performance Cat. 5e module is perfect for use in 1 Gigabit Ethernet (1GBASE-T) applications to 100 MHz.

SCOPE OF SUPPLY

- RJ45 Cat. 5e connection module, unshielded
- Mounting plate
- Dust cover
- Cable tie
- Installation instructions

TENDER

RJ45 connection module of Category 5, for the setting up of transmission channels of class D with up to 4 plugged connections, complies with Category 5 requirements of the standards ISO/IEC 11801, EN 50173-1, (DIN EN 50173-1) as well as TIA/EIA 568.2-D, de-embedded tested in acc. with IEC 60603-7-2, interoperable and backwards compatible with Category 5e (2000) and Category 5 (1995).

Suitable for 1GBASE-T applications in acc. with IEEE 802.3™ Section Three over 100 m.

Tested in line with R&M's manufacturing control.

Compatible with RJ standard plugs (RJ11, RJ12, RJ45), PCB-free and tool-free Easy-Lock connection of installation cables AWG 26 22 (0.4 mm 0.65 mm) and flexible cables AWG 26/7 AWG 22/7. Parallel pair termination without crossover in acc. with TIA 568-A/B, gold-plated bronze contacts for >1000 mating cycles, IDC contacts with single-wire strain relief and >20 insertion cycles, contact resistance <100 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.

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

Connection module Cat. 5e, with dust cover, mounting plate, cable tie and installation instructions.

FEATURES

- Exceeds the Cat. 5e specification (mated) for the entire de-embedded plug range as specified by the standards (ISO/IEC 11801, EN 50173 and TIA/EIA 568.2-D)
- Attains Cat. 5e values together with Cat. 5e patch cables, as specified in standard IEC 11801
- Achieves best transmission characteristics with R&Mfreenet Cat. 5e patch cables
- Gold-plated contact area and tin-plated insulation displacement contact area
- Maximum reliability through special contact design that does not use internal transfer points such as printed circuit board
- Capacitive and inductive compensation

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Category connector (A)	Cat. 5e

Connector type (A)	RJ45
Shielding connector (A)	unshielded
PoE	Yes
Connector class	connection module
Wiring diagram	T568A and T568B
Holder for connector / module	Mounting plate
Poles	8
Standard	UL Listed IEC 60603-7: Electrical Characteristics of the Telecommunication Outlets EN 50173-1 ISO/IEC 11801

MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Dimensions	16.4 mm x 21.4 mm x 40.9 mm / 0.646 in x 0.843 in x 1.61 in (W x H x D)
Color	light gray
Material	plastic: PC, UL 94 V-0