



DESCRIPTION

010.2857

SCOPE OF SUPPLY

- RJ45 Cat. 6 connection module, unshielded
- Mounting plate
- Dust cover
- Cable tie
- Installation instructions

TENDER

Connection Module, Cat.6, 1 x RJ45, unshielded, for the establishing of transmission channels of class E with up to 4 plugged connections, complies with Category 6 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 60603-7-4, interoperable and backwards compatible with Cat. 5e and Cat. 5.

Suitable for 10GBASE-T applications in acc. with IEEE 802.3™ Section Four up to 500 MHz and 55 m.

Tested on the basis of the R&M production control including 100% routine test.

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 <50 mOhm, dielectric strength >1000 Veff. With integral cable strain relief, including dust cover.

Supports PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4Ppoe (IEEE 802.3bt) and is compatible to IEC 60512-99-001/002.

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

Connection module Cat. 6, unshielded, with dust cover, cable tie and installation instructions.

FEATURES

- As part of a Cat. 6 channel, the connection module exceeds the minimum requirements of the IEEE 802.3™ Section Four standard on 10GBASE-T performance, as well as the requirements for Class EA performance acc. to ISO/IEC 11801 and Cat. 6A performance according to TIA 568.2-D
- Exceeds Cat.6 specifications acc. to ISO/IEC 11801, EN 50173 and TIA 568.2-D in the entire admissible range
- Maximum reliability through special contact design without internal transfer points
- Capacitive and inductive compensation
- 3P and UL certified

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Category connector (A)	Cat. 6

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	ISO/IEC 11801
	UL Listed
	EN 50173-1
	IEC 60603-7: Electrical Characteristics of the Telecommunication Outlets

## MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Dimensions	17.0 mm x 21.5 mm x 41.0 mm / 0.669 in x 0.846 in x 1.614 in (W x H x D)
Color	blue
Material	plastic: PC, UL 94 V-0