

## DESCRIPTION



PRODUCT\_IMAGE

## SCOPE OF SUPPLY

- RJ45 Cat. 6 connection module, shielded
- Snap-in adapter
- EMC cover
- Dust cover
- Cable tie
- Installation instructions

## TENDER

RJ45 connection module of Category 6, for the establishing of transmission channels of class E and class EA with up to 4 plugged connections, and class F on 2 pairs, 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 60603-7-5, interoperable and backwards compatible with Category 5e and Category 5.

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), 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. Supports PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4Ppoe (IEEE 802.3bt) and is compatible to IEC 60512-99-001/002. Shield contacting by patented shield lance with integral cable strain relief, shield material tin-coated bronze, ground contacting through 2 contact fingers for flat connectors 4.8 x 0.5 mm.

Mounting dimensions 14.9 x 19.5 mm, max. material thickness 1.6 mm.

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

Connection module Cat. 6, shielded, with EMC cover, dust cover, snap-in frame (gray), 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)	shielded
Protection class IP	IP 20
PoE	Yes
Connector class	connection module
Wiring diagram	T568A and T568B
Holder for connector / module	Snap-in
Poles	8
Standard	UL Listed

## MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Dimensions	18.2 mm x 22.7 mm x 41.3 mm / 0.717 in x 0.894 in x 1.626 in (W x H x D)
Color	module, blue / Snap-in adapter, gray (NCS 2502-B)
Material	plastic: PC, UL 94 V-0