



unilan® Module MS-K 1/8 Cat.6a shielded
RJ45 Modular Solution

unilan® RJ45-Module MS-K 1/8 Cat.6a shielded - Modular Solution

Application

Electrical and mechanical high performance modular Jack for Category 6a for frequency transmission-rates up to 500 MHz. It is dedicated for all applications up to Class E_A including 10GBase-T in compliance with IEEE 802.3an

Description

Compact connector housing made of zinc die casting.
Special construction for high packing density (max. 3 Modules per outlet).
2-Port version is design-compatible with faceplates of other manufacturers.
Excellent electrical performance, most suitable for 10 Gigabit Ethernet applications.
Suitable for Power over Ethernet (PoE) in compliance with IEEE 802.3 af
Tool-less wire connection.
360°-braid connection to the strain relief bar.
Strain relief bar fixed with a cable tie.

Mechanical Properties

Wire range - solid	0,51 mm (AWG24) bis 0,63 mm (AWG22)
Wire range - flexible	dependent on the construction
Re-connection frequency	≤ 10-times at using the same or bigger wire
Wire sheath range	0,7 – 1,4 mm (1,6 mm)
Temperature range	on stock: - 40°C bis + 70°C during installation: - 10°C bis + 60°C in operation: - 20°C bis + 60°C

Applicable Standards

ISO/IEC 60603-7-5
EN 50173-1:2002
ISO/IEC 11801 Amd.1:2006 for Class E_A
EIA/TIA 568B.2-1 2002
EIA/TIA 568B.2-10 draft 5.0 2006 for augmented Cat.6 (6a)
EMC according to EN 50081-2, EN 50082-2 and EN 55022

General Characteristics

Configuration	Pair-configuration according to EIA/TIA 568-A clearly marked with a color code
Potential balancing	Module with connection option for a flat plug 6,3 mm
Mounting possibilities	suitable for Patch Panel PS-K 24x suitable for Faceplates MS-K 2 or 3-Port Version

Article No.	Description	Colour	PU
440 001	unilan® RJ45-Module MS-K 1/8 Cat.6a shielded, TIA-A OPTION: variant kind of mounting in existing installations with modules MS 1/8	metallic	10 pieces
440 000	unilan® RJ45-Module MS-N 1/8 Cat.6a shielded, variant with MS-mounting, TIA-A	metallic	10 pieces