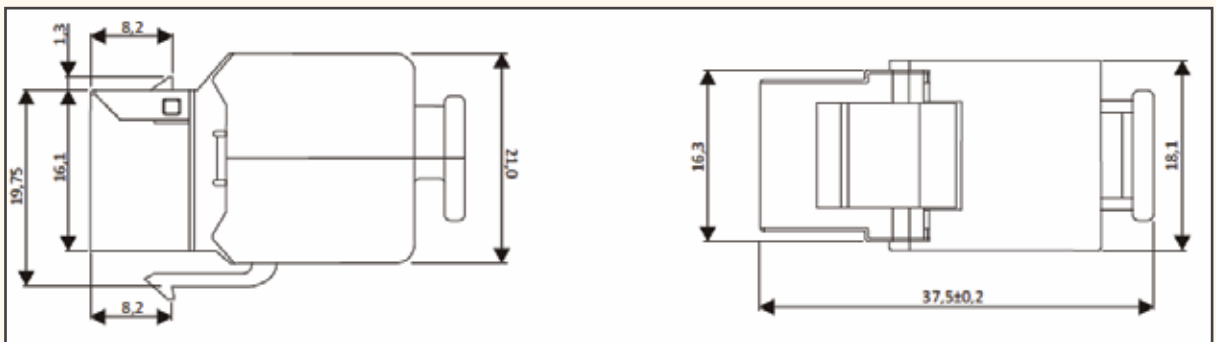# CopperOn

RJ45 Keystone Module, LSA Tool
System cat. 6, class E - 250 MHz, shielded

The RJ45 Keystone module is used for forming outlets in both flush and surface mounted versions through fitting them in adapters (front plates) with the following dimensions: 22.5x45mm, 45x45mm, 25x50mm.

Features

- Slot connection IDC LSA for cables with AWG 26 - AWG 22,
- Color-coded terminals according to T568A and T568B schemes,
- Terminal wire mounting with the help of LSA mounting tool,
- Conforms with requirements of electromagnetic compatibility EMC,
- Possibility of mounting in a wide range of installation equipment available on the market.

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DATA SHEET

Mechanical Parameters

››› Shield: Bronze nickel-plated,

››› Plastic housing: ABS + PC, UL 94V-0,

››› Jack bracket set: Polycarbonate, UL94-HB, transparent,

››› RJ45 jack finish and contact material:
- Phosphor bronze 1.2 – 1.5 µm nickel plated,
- Contact area (min. 3mm) 1.2 µm gold plated.

››› IDC housing: PC+5%GF, UL 94V-2,

››› IDC terminal material and finish:
- Phosphor bronze 1.2 µm tin plated.

››› IDC cap: Zinc die-casting nickel plated,

››› Insertion force: RJ45 < 9 N,

››› Retention strength: RJ45 > 75 N,

››› Operation temperature: -40°C to 80°C,

››› Durability:
- Jack: 750 cycles plug-jack mating and unmating test, insertion cycles at 20 cycles/minute max. contact resistance test per 100 cycles,
- IDC: max. 200 punching times.

Conformity to respective requirements in norms

››› PN-EN-50173-1:2007

››› EN 50173-1:2007

››› EN 50173-1:2007/A1

››› TIA/EIA-568-B.2

››› ISO/IEC 11801 2002

››› ISO/IEC 11801 2002/Amd 1:2008/Cor 1:2008

››› ISO/IEC 61156-5 (2009-02) Ed.2.0.