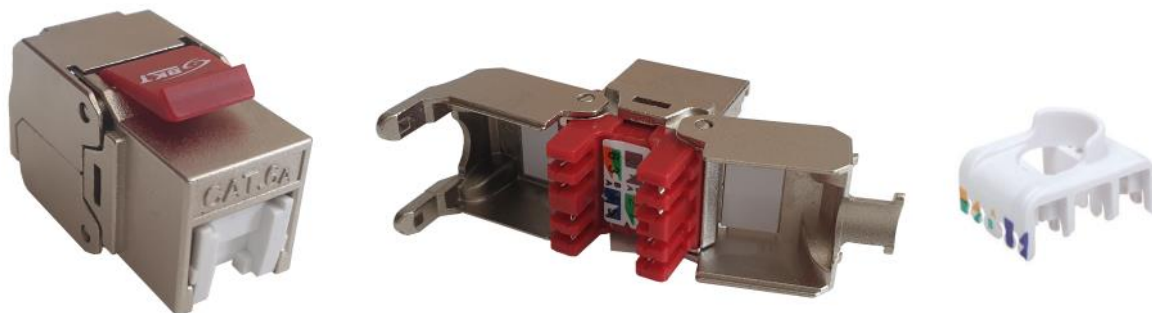


Product Information

BKT RJ45 cat. 6_A Keystone module, shielded, tool free

Card No.: PI_11333110_01.19



Application

The BKT RJ45 module is used to build a four-pair copper transmission link and, more specifically, to terminate the link with an RJ45 connector in the form of a socket. The compact BKT RJ45 module, in the universal and popular "keystone" mounting standard, can be used in a wide range of electrical installation equipment used in telecommunications subscriber sockets and enables installation in modular patch panels at distribution points such as IT cabinets. The performance of the solution is confirmed by laboratory testing and a set of design features ensures repeatability and high quality of teletechnical installations.

Features

- Information about the category on the front of the module
- The integrated automatic dust cover of the port protects pins against both dust and mechanical damage
- The "keystone" standard of the module guarantees compatibility with a wide range of electro-installation accessories
- Universal IDC slot connection for solid and stranded wires with 22-26 AWG
- Integrated short circuit protection of conductors
- T568A/B scheme indicated on the tool free organizer and inside the module
- Color of the keystone mounting latch in accordance with the BKT cabling system performance naming: red = category 6A
- Logo on the "keystone" body to help identify the system manufacturer
- Each set has tool and tool free organizer
- Simplified "keystone" module design enabling installation on a cable with a cable tie
- Fast and easy installation guarantees repeatability of the installation by the installer
- Standards compliance confirmed by tests carried out in independent laboratories
- Certified compliance with PoE standard (PoE, PoE+, 4PPoE)
- Conforms with requirements of electromagnetic compatibility EMC
- 25 years system guarantee
- Compact dimensions (H x W x D) – 20,4 mm x 16 mm x 38 mm
- 3 assembly methods:
 - 1.Tool free: no special assembly tools needed
 - 2.Tool: using 110 IDC impact tool
 - 3.Tool: using BKT HAT automatic tool

Standards

- EN 50173-1
- EN 60603-7-51
- ISO/IEC 11801
- IEC 60603-7-51
- IEC 60512-99-002
- IEEE 802.3af/at/bt
- ANSI/TIA-568.2
- RoHS 2011/65/EU



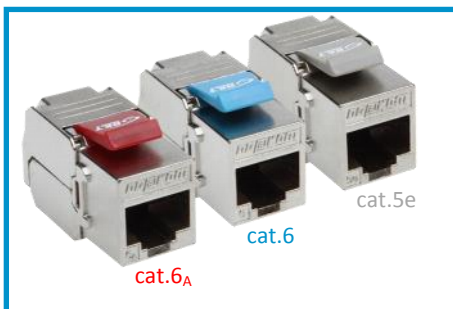
Product Information

BKT RJ45 cat. 6_A Keystone module, shielded, tool free

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Special features

Color of the keystone mounting latch in accordance with the BKT cabling system performance naming: red = category 6A



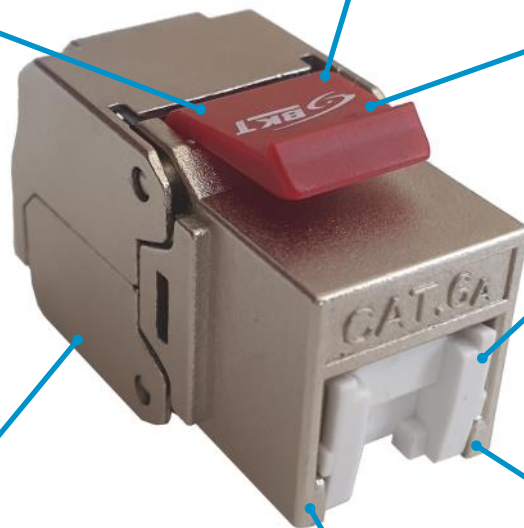
Information about the category on the front of the module



Logo on the keystone body to help identify the system manufacturer



Compact dimensions
20,4mm x 16mm x 38mm



The integrated automatic dust cover of the port protects pins against both dust and mechanical damage



Simplified keystone module design enabling installation on a cable with a cable tie



Standards compliance confirmed by tests carried out in independent laboratories



Certified compliance with PoE standard (PoE, PoE+, 4PPoE)

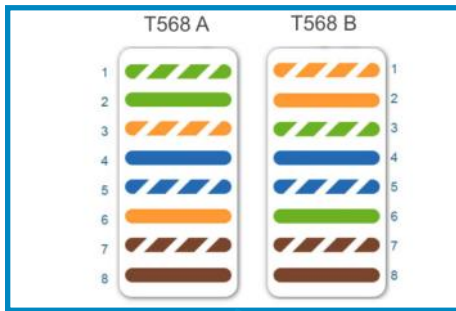
Product Information

BKT RJ45 cat. 6_A Keystone module, shielded, tool free

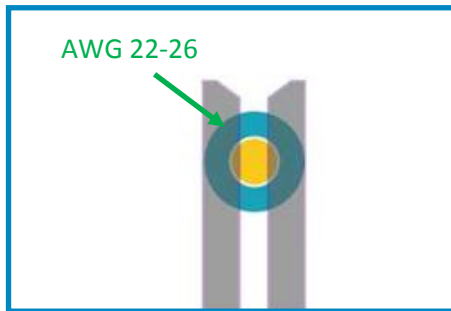
Card No.: PI_11333110_01.19

Special features

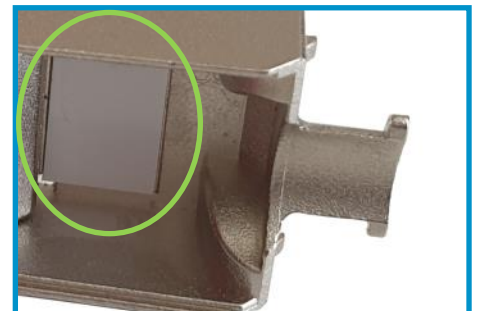
T568A/B scheme indicated on the toolless organizer and inside the module



Universal IDC slot connection for solid and stranded wires with 22-26 AWG

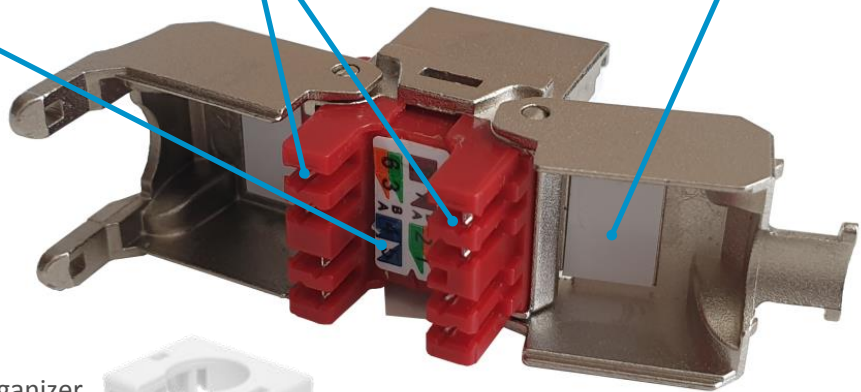


Integrated short circuit protection of conductors



Tool free organizer

Tool organizer (optional)



1. assembly method

Tool free: no special assembly tools needed



2. assembly method

Tool: using 110 IDC impact tool



3. assembly method

Tool: using BKT HAT automatic tool

Product Information

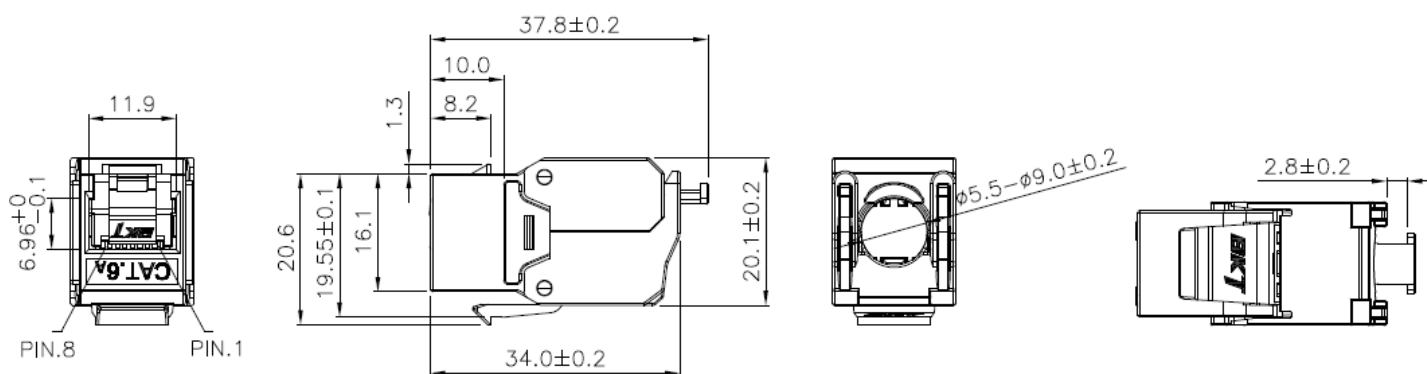
BKT RJ45 cat. 6_A Keystone module, shielded, tool free

Card No.: PI_11333110_01.19

Physical and mechanical properties

Performance	T568A & T568B wiring map printing in tool free organizer and IDC slot Insertion force: 30N max Retention strength: 7,7 kg between jack and plug Operation temperature: -10°C to 60°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 20 terminations for 22-26 AWG stranded and solid wire, compatible with 110 tool and BKT HAT tool
RJ45 Jack	- Housing: Nickel plated die-casting Zinc - Contact bracket: PC, UL 94-V2, transparent color
RJ45 jack contact	- Material: Nickel plated phosphor bronze - Finish: 50 micro inch gold plated on plug contact area
IDC	- Housing: PC + Fiber Glass, UL 94-V2, red - Cover: Nickel plated die-casting Zinc - Terminal : Tin plated phosphor bronze - Organiser: PC + Fiber Glass, UL 94-V2, white
PCB	FR4, UL 94V-0
Shield contact	Nickel plated die-casting Zinc
RJ45 plug insertion force	<9N
RJ45 plug retention strength	>75N

Dimensions [mm]



Performance / Variants

Index	Product description
11333110	BKT RJ45 cat. 6A Keystone module, shielded, tool free