

order number: J00029B0077

AMJ-Module K Cat.6<sub>A</sub>, T568B, blister package (24 pcs.)

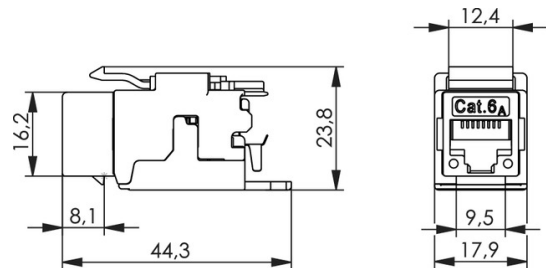


Fig. may differ



Technical Attributes	
Short name	AMJ Module K Cat.6 <sub>A</sub> T568B
Type	blister package (24 pcs.)
Remarks	tool-free connectivity, suitable for RJ45/11/12 plugs
Mount. dim.	Z121

### Performance Characteristics

- 10 Gigabit-Ethernet compliant (IEEE 802.3an)
- Cat.6<sub>A</sub> acc. to IEC 60603-7-51
- suitable for POE+ (Power Over Ethernet Plus)
- overbending protection:  $\geq 750$  mating cycles with RJ45/RJ11/RJ12 plugs
- link certificate: Class E<sub>A</sub> acc. to ISO/IEC 11801
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
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- fully-automated production of Cat.6<sub>A</sub> RJ45 core to guarantee a uniformly high quality standard

Mechanical Characteristics	
Core Diameter	0,9 - 1,6 mm
Reusable IDC für AWG 23/1 - AWG 26/1	$\leq 4$ cycles
Reusable IDV for AWG 24/7 - 27/7	$\leq 4$ cycles

Reusable IDC for AWG 22/1 and AWG 22/7	≤4 cycles
Life (mating cycles RJ45, RJ12, RJ11)	≥ 750
Insertion force	≤ 30 N
Cu-Conductor diameter: solid	0.41 - 0.64 mm AWG 26/1 - AWG 22/1
Cu-Conductor diameter: stranded	0.46 - 0.76 mm AWG 27/7 - AWG 22/7
Reusable contacts	≤4 cycles
Cable diameter	max. 9 mm
Material: insulators	PBT
Material: housing	zinc diecast
Material: insulating housing	-
Material: snap-fit	PC UL94 V0 black
Material: shield	German silver
Material: insulators	PBT
Material: PCB	FR4
Material: PCB finish	chem. tin-plated
Material: contact spring	phosphor bronze tinned
Material: contact spring finish	min. 0,8 µm (µin) Au on 1,2 µm (50µin) Ni
Material: IDC termination finish	min. 3-6 µm (120-240 µin) Sn
Material: cable ties	PA UL94 V2
Material: cable clamp	PC UL94 V0

Climatic Characteristics	
UL	E244889

Electrical Characteristics	
PoE+ acc to IEEE 802.3at	PoE+
Insulation resistance	≥ 500 mΩ
Contact resistance	≤ 20 mΩ
Voltage proof: contact-contact	≥ 1000 V, DC
Voltage proof: contact-shield	≥ 1500 V, DC

Current carrying capacity at 50°C	1 A
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Standards	
Connectors	IEC 60603-7-51

Ambient temperature	
	-40° C to +85° C

Gigabit Ethernet acc. to IEEE 802.3	
	fulfilled
Class E (Channel with Coupler Cat.6)	
	-
Category 6 <sub>A</sub> (Component)	
	ISO/IEC 11801, DIN EN 50173-1
Class E <sub>A</sub> (Permanent Link)	
	ISO/IEC 11801, DIN EN 50173-1
Class E <sub>A</sub> (Channel)	
	ISO/IEC 11801, DIN EN 50173-1
Class E (Channel with Coupler Cat.6)	
	-
Class D (Channel with Coupler Cat.5e)	
	-
10 Gigabit Ethernet acc. to IEEE 802.3an	
	fulfilled