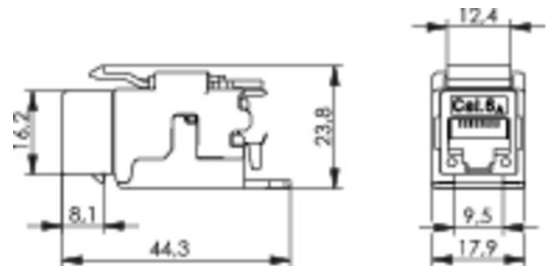
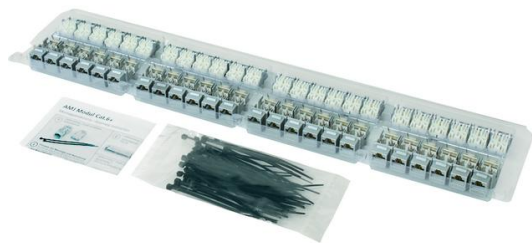


order number: J00029B0077

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



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

- Cat.6<sub>A</sub> acc. to IEC 60603-7-51
- link certificate: Class E<sub>A</sub> acc. to ISO/IEC 11801
- Cat.6<sub>A</sub> certified and monitored by independent testing laboratory under ISO/IEC 11801
- 10 Gigabit-Ethernet compliant (IEEE 802.3an)
- fully-automated production of Cat.6<sub>A</sub> RJ45 core to guarantee a uniformly high quality standard
- overbending protection: ≥750 mating cycles with RJ45/RJ11/RJ12 plugs
- suitable for POE+ (Power Over Ethernet)
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- optically monitored inspection of the RJ45 contact heights
- Made in Germany

Mechanical Characteristics	
Insertion force	≤ 30 N
Life (mating cycles RJ45, RJ12, RJ11)	≥ 750
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	spring steel
Material: contact spring finish	min. 0,8 µm (µin) Au on 1,2 µm (50µin) Ni
Material: contact IDC termination	CuNi2Si
Material: IDC termination finish	min. 3-6 µm (120-240 µin) Sn
Material: cable ties	PA UL94 V2
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
Insulation diameter	0.9 - 1.6 mm
Reusable IDC for AWG 22/1 and AWG 22/7	≤4 cycles
Reusable IDC für AWG 23/1 - AWG 26/1	≤10 cycles
Reusable IDV for AWG 24/7 - 27/7	≤10 cycles
Cable diameter	max. 9 mm

<b>Electrical Characteristics</b>	
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Voltage proof: contact-contact	≥ 1000 V, DC
Voltage proof: contact-shield	≥ 1500 V, DC
Current carrying capacity at 50°C	1 A
PoE+ acc to IEEE 802.3at	PoE+

<b>Standards</b>	
Connectors	IEC 60603-7-51

<b>Transmission Characteristics</b>	

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)	-
Gigabit Ethernet acc. to IEEE 802.3	fulfilled
10 Gigabit Ethernet acc. to IEEE 802.3an	fulfilled