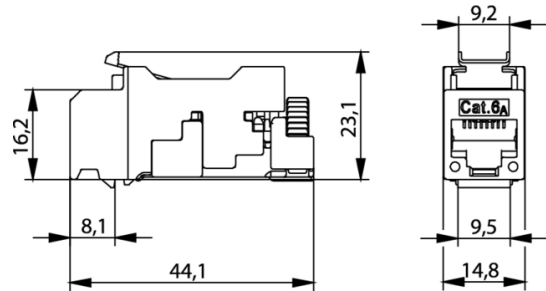


order number: J00029A2001

AMJ-S Module Cat.6_A T568B



Technical Attributes	
Short name	AMJ-S Module Cat.6 _A T568B
Remarks	tool-free connectivity, suitable for RJ45/11/12 plugs
Mount. dim.	Z121

Performance Characteristics

- Cat.6_A acc. to IEC 60603-7-51
- Cat.6_A re-embedded tested acc. to IEC 60512-27-100
- link certificate: Class E_A acc. to ISO/IEC 11801
- 10 Gigabit-Ethernet compliant (IEEE 802.3an)
- overbending protection: ≥750 mating cycles with RJ45/RJ11/RJ12 plugs
- suitable for PoE+ acc. to IEEE 802.3at
- suitable for switching programs from several manufacturers with design capable faceplate AMJ-S Up/0 flex
- integrated strain relief for cable O.D. to 9 mm
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- optically monitored inspection of the RJ45 contact heights

Mechanical Characteristics	

Insertion force	≤ 30 N
Life (mating cycles RJ45, RJ12, RJ11)	≥ 750
Material: housing	zinc diecast
Material: insulating housing	-
Material: snap-fit	spring steel
Material: shield	German silver
Material: insulators	PC UL94 V0
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
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
Material: cable clamp	PC UL94 V0
Cable diameter	max. 9 mm

Climatic Characteristics	
UL	E244889

Electrical Characteristics	
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	Adequate for Power over Ethernet+

Standards	
Connectors	IEC 60603-7-51

Transmission Characteristics	
Category 6 _A (Component)	ISO/IEC 11801, DIN EN 50173-1
Class E _A (Permanent Link)	ISO/IEC 11801, DIN EN 50173-1
Class E _A (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