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AMJ-SL Module Cat.6A, T568B

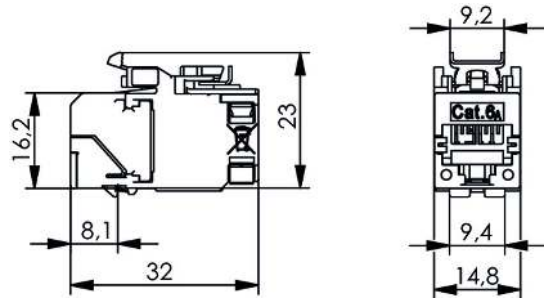


Fig. may differ



| Technical Attributes |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks              | tool-free connectivity, suitable for RJ45/11/12 plugs                                                                                         |
| Type                 | package of 2                                                                                                                                  |
| Short name           | AMJ-SL Module Cat.6A, T568B                                                                                                                   |
|                      | Very short length, only 32 mm                                                                                                                 |
|                      | Made in Stuttgart                                                                                                                             |
|                      | PVP certification                                                                                                                             |
|                      | Safe Lock                                                                                                                                     |
|                      | Type Approval Component Category 6A, certified by GHMT; electrical performance characteristics above standard certainty for planning purposes |
|                      | Refined zinc die cast housing and metallic stop hook provide 360°-shielding                                                                   |
|                      | Captive cable relief                                                                                                                          |
|                      | Compatible with all switching programs                                                                                                        |
|                      | Carton packaging                                                                                                                              |
|                      | Detailed assembly instruction and assembly video available,                                                                                   |

|  |                                            |
|--|--------------------------------------------|
|  | via QR-Code always and everywhere          |
|  | easy & fast assembly without special tools |

## Performance Characteristics

- Cat.6<sub>A</sub> acc. to IEC 60603-7-51
- Cat.6<sub>A</sub> re-embedded tested acc. to IEC 60512-27-100
- link certificate: Class E<sub>A</sub> 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
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- AMJ-S DD: with integrated protection against damage to the contacts by automatic disconnection of the plug connection

| Mechanical Characteristics             |                                           |
|----------------------------------------|-------------------------------------------|
| Insertion force                        | ≤ 30 N                                    |
| Material: snap-fit                     | spring steel                              |
| Life (mating cycles RJ45, RJ12, RJ11)  | ≥ 750                                     |
| Cu-Conductor diameter: solid           | 0.41 - 0.64 mm AWG 26/1 - AWG 22/1        |
| Material: shield                       | German silver                             |
| Cu-Conductor diameter: stranded        | 0.46 - 0.76 mm AWG 27/7 - AWG 22/7        |
| Material: insulators                   | PC UL94 HB                                |
| Core Diameter                          | 0,9 - 1,6 mm                              |
| Material: PCB finish                   | chem. tin-plated                          |
| Material: contact spring finish        | min. 0,8 µm (µin) Au on 1,2 µm (50µin) Ni |
| Reusable IDC for AWG 22/1 and AWG 22/7 | ≤4 cycles                                 |
| Material: IDC termination finish       | min. 3-6 µm (120-240 µin) Sn              |
| Reusable IDC für AWG 23/1 - AWG 26/1   | ≤10 cycles                                |
| Material: cable clamp                  | PC UL94 V0                                |
| Reusable IDC for AWG 24/7 - 27/7       | ≤10 cycles                                |

|                                   |                        |
|-----------------------------------|------------------------|
| Material: wire pair presorting    | PC UL94 HB white       |
| Cable diameter                    | max. 9 mm              |
| Material: shield                  | German silver          |
| strain relief                     | PC UL94 V0             |
| Material: housing                 | zinc diecast Ni plated |
| Material: PCB                     | FR4 UL94 V0            |
| Material: contact spring          | gold plated            |
| Material: contact IDC termination | bronze tinned          |

| Climatic Characteristics |         |
|--------------------------|---------|
| UL                       | E244889 |

| Electrical Characteristics        |                                         |
|-----------------------------------|-----------------------------------------|
| Contact resistance                | $\leq 20 \text{ m}\Omega$               |
| Insulation resistance             | $\geq 500 \text{ M}\Omega$              |
| Voltage proof: contact-contact    | $\geq 1000 \text{ V, DC}$               |
| Voltage proof: contact-shield     | $\geq 1500 \text{ V, DC}$               |
| Current carrying capacity at 50°C | 1 A                                     |
| PoE+ acc to IEEE 802.3at          | Adequate for Power over Ethernet+       |
| PoE according to IEEE802.3af      | Adequate for 4 Pair Power over Ethernet |

| Standards                                              |                |
|--------------------------------------------------------|----------------|
| Connectors                                             | IEC 60603-7-51 |
| Degrees of protection provided by enclosures (IP code) | IEC 60529      |

| Protection against particulate ingress | IP2X             |
|----------------------------------------|------------------|
| Protection against water / immersion   | IPX0             |
| Ambient temperature                    | -40° C to +70° C |

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