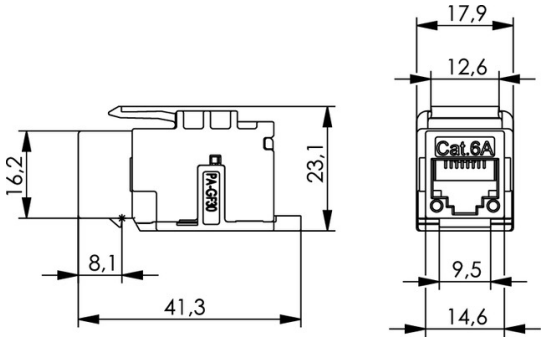
Telegärtner
KARL GÄRTNER GMBH

order number: J00029L0078

UMJ Module K Class E_A 500 T568 B blister package (24 pcs.)

Fig. may differ



Technical Attributes	
Short name	UMJ Module K Class E_A 500 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)
- 10 Gigabit Ethernet compliant (IEEE 802.3an)
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- unshielded
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- fully-automated production of Class E_A 500 RJ45 core to guarantee a uniformly high quality standard (transmission characteristic values)

Mechanical Characteristics	
Life (mating cycles RJ45, RJ12, RJ11)	≥ 750
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

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Reusable IDC for AWG 22/1 and AWG 22/7	≤4 cycles
Reusable IDC für AWG 23/1 - AWG 26/1	≤4 cycles
Reusable IDV for AWG 24/7 - 27/7	≤4 cycles
Cable diameter	max. 9 mm
Insertion force	≤ 20 N
Durability (Steckungen)	≥ 750
	solid 0,40 -0,65 AWG 26/1 - AWG 22/1; stranded 0,46 - 0,61 AWG27/7 - AWG24/7
Core Diameter	0,9 - 1,6 mm
Material: insulating housing	-
Material: housing	PA6 GF30 RAL 9010 pure white
Material: shield	German silver
Material: insulators	PC UL94 V0
Material: wire pair presorting	PA6 GF30 RAL 9010 pure white
Material: snap-fit	PA6 GF30 RAL 9010 pure white
Material: insulating plate	PBT GF15 nature
Material: insulation body	PBT nature
Material: PCB	FR4
Material: contact spring finish	min. 0,8 µm (µin) Au on 1,2 µm (50µin) Ni
Material: PCB finish	Cu 35/35 chem. tinned
Material: contact spring	phosphor bronze tinned
Material: contact finish	min. 0,8 µm Au on 1,2 µm Ni
Material: cable ties	PA6.6 UL94 V2
Material: cable clamp	PC UL94 V0

Climatic Characteristics	
UL	E244889
Tested / classified in accordance with DIN IEC 60068-1	25/070/21

Electrical Characteristics

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Working current at 50° C	1 A
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+
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 mΩ
Voltage proof: contact-contact	≥ 1000 V=

Standards	
Connectors	IEC 60603-7-51

Ambient temperature	-40° C to +85° C

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
Cat.6	TIA/EIA-568-B.2-1; ISO/IEC 11801 2nd edition; EN 60603-7-4

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