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Powered by: **PROLINK**

Description

ProLink CAT6A S/FTP 10G keystone jack Mini Type, Tool-less Connection Module

CAT.6A S/FTP Mini Type jack Tool-less Connection Module

- Real Category 6A S/FTP hardware performance.
- Significantly exceeds Category 6A S/FTP /CLASS E_A link performance requirements.



Tool-less jack:

- Easy and quick to install.
- Fast reliable connection in record time; all 8 copper conductors are effortlessly terminated in a single operation.
- Quality of connection by design; independent of tool condition or operator skill, just listen for the click.
- Consistent results. The length of untwisted pairs and the length between the end of the conductor and the IDC contacts are always kept to a minimum, by design.

Reusable:

- If a wiring mistake is made there is no need to use a new jack. Just open and terminate.
- No delay waiting for another delivery.

Mechanical Data

Number of RJ45 jacks	1
Number of signal contacts	8/jack
Operating temperature range	-10°C to 60°C
Storage temperature range	-40°C to 70°C
Humidity	95% (non-condensing)
Contact material	CuSn
Contact area plating	1.2 µm gold over nickel
IDC* plating	Tin-plated
Cutting blade material	Stainless steel
Housing material	Polycarbonate (UL-94-V0)
Admissible wire Ø	0.4 mm (AWG26) – 0.65 mm (AWG22)
Admissible strand Ø	AWG26/7 – AWG22/7
Admissible insulation Ø	0.8 mm – 1.6 mm
Cable diameter	10 mm maximum
Cable strain relief	Through cable tie
Shield contact to plug	Through contact springs (on jack)
Shield contact to installation cable	Low impedance contact via bayonet
Earth contact	1 contact finger for flat socket 4.8 x 0.5 mm
Shield material	CuSn, tin-plated

Description	Standard value	Relevant Standard	Typical value (at 20°C)
Mating cycles min.	> 750	ISO/IEC 11801 2nd Ed.	> 1000
Re-terminations**	> 20	ISO/IEC 11801 2nd Ed. >	> 20

Electrical Data

Description	Standard value	Relevant Standard	Typical value (at 20°C)
Contacts	1000 V DC or AC peak	IEC 60603-7-41	> 1000 V _{eu}
Insulation resistance	> 250 M (100 V DC)	IEC 60603-7-41	> 5 MK (100 V DC)
Contact resistance	< 200 m	IEC 60603-7-41	<5 mK
I/O resistance	< 200 m	IEC 60603-7-41	60 mK
I/O resistance unbalance	< 50 m	IEC 60603-7-41	30 mK
Current carrying capacity	1 Amp @ 60°C	IEC 60603-7-41	Pass

Frequency (MHz)	Insertion Loss (20°C)	Return Loss (20°C) [dB]	NEXT (20°C) [dB] all pair combinations	TCL (20°C) [dB]	PS ANEXT (20°C) [dB]
1	> -0.05	-48.3	-97.3	-84.4	-81.2
10	> -0.05	-46.1	-80.0	-66.1	-81.1
31	> -0.05	-42.6	-69.5	-56.6	-81.2
100	> -0.05	-32.6	-59.5	-47.3	-80.5
175	> -0.05	-27.2	-54.1	-42.7	-76.1
250	-0.08	-23.6	-49.8	-40.1	-72.8
400	-0.23	-19.7	-41.6	-35.6	-69.5
500	-0.42	-17.6	-37.3	-33.5	-66.9