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**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<sub>A</sub> 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

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