

ix Industrial 10A-PP-3 plug SL-I26



Part number	09 45 182 2561
Specification	ix Industrial 10A-PP-3 plug SL-I26
HARTING eCatalogue	https://b2b.harting.com/09451822561

Image is for illustration purposes only. Please refer to product description.

Identification

Category	Connectors
Series	HARTING ix Industrial [®]
Identification	Data
Element	Cable connector
Specification	Straight

Version

Termination method	IDC termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	8
further contacts	+ 2x GND
Coding	Type A
Locking type	PushPull

Technical characteristics

Conductor cross-section	0.09 0.14 mm²
Conductor cross-section [AWG]	AWG 28 AWG 26
Wire outer diameter	≤1.2 mm
Rated current	1.5 A
Rated current	3 A per contact when used with 4 contacts (1,2,6,7)
Rated voltage	50 V AC 60 V DC
Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz



Technical characteristics

Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s			
Insulation resistance	>500 MΩ			
Contact resistance	≤30 mΩ			
Shielding resistance	≤100 mΩ			
Limiting temperature	-40 +85 °C			
Storage temperature	-30 +60 °C			
Relative humidity	95 % Non-condensing (operation) 95 % Non-condensing (storage/transport)			
Insertion force	≤25 N			
Withdrawal force	≤25 N			
Mating cycles	≥5,000			
Degree of protection acc. to IEC 60529	IP20			
Cable diameter	6 7.2 mm			
Test voltage U _{r.m.s.}	0.5 kV			
Retention force	≥80 N locking			
Vibration resistance	10-500 Hz, 0.35 mm / 50 m/s², 2h/axis 5.72 m/s² acc. to IEC 61373 Category 1 Class B			
Shock resistance	30 g / 11 ms, 3 shocks / axis and direction 50 g / 30 ms, 3 shocks / axis and direction acc. to IEC 61373 Category 1 Class			

Material properties

Material (insert)	Polyamide (PA)	
Colour (insert)	Black	
Material (shielding)	Stainless steel Ni ≥ 1.6 µm Mating side (shielding) Sn ≥ 0.9 µm over Ni ≥ 0.9 µm Termination side (shielding)	
Material (contacts)	Copper alloy	
Surface (contacts)	PdNi \geq 0.64 μ m + Au \geq 0.05 μ m over Ni \geq 2.6 μ m Mating side Sn \geq 3 μ m over Ni \geq 1.8 μ m Termination side	
Material (hood/housing)	Polycarbonate (PC) Polyamide (PA)	
Colour (hood/housing)	Black	
Material flammability class acc. to UL 94	V-0	



Material properties

RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate
ECHA SCIP number	a4a9de28-6060-4c0d-b79b-5842f7db41be
California Proposition 65 substances	Not contained

Specifications and approvals

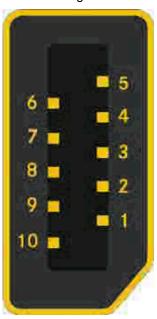
Specifications	IEC 61076-3-124 EN 45545-2
	IEEE 802.3af Power over Ethernet (PoE)
	IEEE 802.3at Power over Ethernet (PoE+)
	IEEE 802.3bt Power over Ethernet (4PPoE)
PROFINET	Yes

Commercial data

Packaging size	5
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140283541
ETIM	EC002636
eCl@ss	27440114 Rectangular connector (for field assembly)



Contact configuration



10/100		1/10	TIA		PROFINET
Industrial	Mbit/s	Gbit/s	568 A	568 B	PROFINEI
1	TX+	BI_DA+	White/Green	White/Orange	Yellow
2	TX-	BI_DA-	Green	Orange	Orange
3	N.C	N.C	N.C	N.C	N.C
4	N.C	BI_DC+	Blue	Blue	N.C
5	N.C	BI_DC-	White/Blue	White/Blue	N.C
6	RX+	BI_DB+	White/Orange	White/Green	White
7	RX-	BI_DB-	Orange	Green	Blue
8	N.C	N.C	N.C	N.C	N.C
9	N.C	BI_DD+	White/Brown	White/Brown	N.C
10	N.C	BI_DD-	Brown	Brown	N.C