

# ix Industrial 8A-PP-3 plug SL-I22



Part number	09 45 182 2563		
Specification	ix Industrial 8A-PP-3 plug SL-I22		
HARTING eCatalogue	https://b2b.harting.com/09451822563		

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
Coding	Type A
Locking type	PushPull

## Technical characteristics

Conductor cross-section	0.23 0.36 mm²
Conductor cross-section [AWG]	AWG 24 AWG 22
Wire outer diameter	≤1.6 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 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz



## Technical characteristics

	10 Mbit/s			
Data rate	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			
	95 % Non-condensing (operation)			
Relative humidity	95 % Non-condensing (storage/transport)			
Insertion force	≤25 N			
insertion force	320 IV			
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 <sub>r.m.s.</sub>	0.5 kV			
Retention force	≥80 N locking			
	10-500 Hz, 0.35 mm / 50 m/s², 2h/axis			
Vibration resistance	5.72 m/s² acc. to IEC 61373 Category 1 Class B			
	30 g / 11 ms, 3 shocks / axis and direction			
Shock resistance	50 g / 30 ms, 3 shocks / axis and direction acc. to IEC 61373 Category 1 Class B			

# 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 $\mu$ m + Au $\geq$ 0.05 $\mu$ m over Ni $\geq$ 2.6 $\mu$ m Mating side Sn $\geq$ 3 $\mu$ m over Ni $\geq$ 1.8 $\mu$ 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

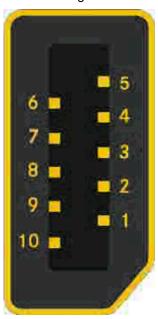
Specifications	IEC 61076-3-124 EN 45545-2 IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet (PoE+) IEEE 802.3bt Power over Ethernet (4PPoE)
PROFINET	Yes

## Commercial data

Packaging size	5
Net weight	0.01 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140283558
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