



Pushing Performance
Since 1945

preLink M12 plug X-coded 8-pole Cat.6A



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

Part number	20 82 005 0002
Specification	preLink M12 plug X-coded 8-pole Cat.6A
HARTING eCatalogue	https://harting.com/20820050002

Identification

Category	Connectors
Series	preLink® Circular connectors M12
Element	Cable connector
Specification	Straight
Type of hood/housing	Screw mounted housing

Version

Termination method	preLink® IDC insulation displacement termination
Gender	Male
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Locking type	Screw locking
Details	Please order termination block separately
Details	For Ethernet applications up to 10 Gbit only
Details	This item requires additional a termination block. Please select these under "Matching Products".

Technical characteristics

Conductor cross-section	0.1 ... 0.12 mm² 0.22 ... 0.32 mm²
Conductor cross-section [AWG]	AWG 27 ... AWG 26 AWG 24 ... AWG 22



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Technical characteristics

Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz
Data rate	10 Mbit/s
	100 Mbit/s
	1 Gbit/s
	2.5 Gbit/s
	5 Gbit/s
	10 Gbit/s
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65
	IP67
Cable diameter	5 ... 9.5 mm
Vibration resistance	5.72 m/s ² acc. to IEC 61373 Category 1 Class B
Shock resistance	5 g / 30 ms, 5 shocks / axis and direction acc. to IEC 61373 Category 1 Class B

Material properties

Material (hood/housing)	Zinc die-cast
Surface (hood/housing)	Nickel plated
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	760691ac-b4d2-427c-9996-5886190b813b
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead

Specifications and approvals

Specifications	EN 45545-2
UL / CSA	UL 1863 DUXR2.E470046
	CSA-C22.2 No. 182.4, No. 233-09 DUXR8.E470046
Approvals	DNV GL



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Specifications and approvals

PROFINET Yes

Commercial data

Packaging size	1
Net weight	0.005 g
Country of origin	Latvia
European customs tariff number	85366990
GTIN	5713140135598
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413