

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://b2b.harting.com/20820050002

Identification

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

Version

Termination method	preLink® IDC insulation displacement termination
Gender	Male
Locking type	Screw locking
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Details	Please order terminal module separately
Details	For Ethernet applications up to 10 Gbit only

Technical characteristics

Conductor cross-section	0.1 ... 0.12 mm ² 0.22 ... 0.32 mm ²
Conductor cross-section	AWG 27 ... AWG 26 AWG 24 ... AWG 22
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500



Pushing Performance

Technical characteristics

Degree of protection acc. to IEC 60529	IP65 IP67
Cable diameter	5 ... 9.5 mm
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
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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

Specifications and approvals

Approvals	DNV GL
UL / CSA	UL 1863 DUXR2.E470046 CSA-C22.2 No. 182.4, No. 233-09 DUXR8.E470046
PROFINET	Yes

Commercial data

Packaging size	1
Net weight	0.01 g
Country of origin	Latvia
European customs tariff number	85366990



Pushing Performance

Commercial data

eCl@ss

27440102 Circular connector (for field assembly)