Pushing Performance
Since 1945

preLink M12-D cable jack 4-pole Cat.5



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

Part number	20 82 005 2001
Specification	preLink M12-D cable jack 4-pole Cat.5
HARTING eCatalogue	https://harting.com/20820052001

Identification

Category	Connectors
Series	preLink® Circular connectors M12
Identification	PushPull
Element	Cable connector Panel feed through
Specification	for rear mounting
Features	Suitable for all PoE versions

Version

Termination method	preLink® IDC insulation displacement termination
Gender	Female
Shielding	Shielded
Number of contacts	4
Coding	D-coding
Locking type	Screw locking PushPull
Details	Please order termination block separately
Details	For Fast Ethernet applications only
Details	This item requires additional a termination block. Please select these under “Matching Products”.

Technical characteristics

Conductor cross-section (mm²)	0.1 ... 0.12 mm² 0.22 ... 0.32 mm²

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Technical characteristics

Conductor cross-section (AWG)	AWG 27 ... AWG 26 AWG 24 ... AWG 22
Rated voltage	50 V AC 60 V DC
Transmission characteristics	Cat. 5 Class D up to 100 MHz
Data rate	10 Mbit/s 100 Mbit/s
Insulation resistance	> 5 x 10^9 Ω
Contact resistance	20 mΩ
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 IP67
Cable diameter	5 ... 9.5 mm
Test voltage U_{DC}	1 kV (contact-contact) 1.5 kV (contact-ground)
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 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

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Material properties

California Proposition 65 substances	Lead Nickel

Specifications and approvals

Specifications	IEC 61076-2-101
Approvals	DNV GL
PROFINET	Yes

Commercial data

Packaging size	1
Net weight	65.32 g
Country of origin	Latvia
European customs tariff number	85366990
GTIN	5713140224155
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413

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