Pushing Performance
Since 1945

# preLink M12 plug D-coded 4-pole Cat.5



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

| | |
|---|---|
| Part number | 20 82 005 0001 |
| Specification | preLink M12 plug D-coded 4-pole Cat.5 |
| HARTING eCatalogue | https://harting.com/20820050001 |

## Identification

| | |
|---|---|
| Category | Connectors |
| Series | preLink®<br>Circular connectors M12 |
| Element | Cable connector |
| Specification | Straight |
| Type of hood/housing | Screw mounted housing |
| Features | Suitable for all PoE versions |

## Version

| | |
|---|---|
| Termination method | preLink® IDC insulation displacement termination |
| Gender | Male |
| Shielding | Shielded |
| Number of contacts | 4 |
| Coding | D-coding |
| Locking type | Screw locking |
| 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<br>0.22 ... 0.32 mm² |


HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Downloaded from Arrow.com.

Pushing Performance
Since 1945

## Technical characteristics

| | |
|---|---|
| Conductor cross-section (AWG) | AWG 27 ... AWG 26<br>AWG 24 ... AWG 22 |
| Rated voltage | 50 V AC<br>60 V DC |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Data rate | 10 Mbit/s<br>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<br>IP67 |
| Cable diameter | 5 ... 9.5 mm |
| Test voltage $U_{DC}$ | 1 kV (contact-contact)<br>1.5 kV (contact-ground) |
| Vibration resistance | 10-500 Hz, 0.35 mm / 50 m/s², 2h/axis<br>5.72 m/s² acc. to IEC 61373 Category 1 Class B |
| Shock resistance | 30 g / 11 ms, 3 shocks / axis and direction<br>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 |


HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Downloaded from Arrow.com.

Pushing Performance
Since 1945

## Specifications and approvals

| | |
|---|---|
| Specifications | IEC 61076-2-101 |
| UL / CSA | UL 1863 DUXR2.E470046<br>CSA-C22.2 No. 182.4, No. 233-09 DUXR8.E470046 |
| Approvals | DNV GL |
| PROFINET | Yes |

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 52 g |
| Country of origin | Latvia |
| European customs tariff number | 85366990 |
| GTIN | 5713140135581 |
| eCl@ss | 27440116 Circular connector (for field assembly) |
| ETIM | EC002635 |
| UNSPSC 24.0 | 39121413 |


HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Downloaded from Arrow.com.