

## preLink M12 plug-in module 8-pole



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

|                    |   |
|--------------------|---|
| Part number        | 20 82 006 1218  |
| Specification      | preLink M12 plug-in module 8-pole   |
| HARTING eCatalogue | <a href="https://harting.com/20820061218">https://harting.com/20820061218</a> |

### Identification

|               |                                     |
|---------------|-------------------------------------|
| Category      | Connectors                          |
| Series        | preLink®<br>Circular connectors M12 |
| Element       | Connector insert                    |
| Specification | Straight                            |

### Version

|                    |   |
|--------------------|---|
| Termination method | preLink® IDC insulation displacement termination  |
| Gender             | Male  |
| Shielding          | Shielded  |
| Number of contacts | 8   |
| Coding             | X-coding  |
| Details            | Please order termination block separately<br>Please order screw mounted housing 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 mm <sup>2</sup><br>0.22 ... 0.32 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 27 ... AWG 26<br>AWG 24 ... AWG 22                        |
| Transmission characteristics  | Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz        |



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## Technical characteristics

|  |   |
|--|---|
| 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<br>IP67  |
| Cable diameter                         | 5 ... 9.5 mm  |
| Vibration resistance                   | 5.72 m/s <sup>2</sup> 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 (insert)                    | Zinc die-cast, 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   |
| California Proposition 65 substances | Yes  |
| California Proposition 65 substances | Lead   |

## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | EN 45545-2   |
| 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 |
|----------------|---|



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## Commercial data

|                                |   |
|--------------------------------|---|
| Net weight                     | 13.56 g   |
| Country of origin              | Latvia  |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140135611                                   |
| eCl@ss                         | 27440223 Contact insert for circular connectors |
| ETIM                           | EC003557  |
| UNSPSC 24.0                    | 39121421  |