

# M12 PFT Crimp 8-pole x-coded female 0.3m



| Part number        | 21 33 080 0850 003                       |
|--------------------|--|
| Specification      | M12 PFT Crimp 8-pole x-coded female 0.3m |
| HARTING eCatalogue | https://b2b.harting.com/21330800850003   |

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

#### Identification

| Category                  | Connectors   |
|---------------------------|--|
| Series                    | Circular connectors M12  |
| Identification            | PushPull   |
| Element                   | Panel feed through   |
| Specification             | Pre-assembled on one side<br>Industrial Ethernet cable (4x 2x AWG 26/7)<br>for rear mounting |
| Version                   |  |
| Cable length              | 0.3 m  |
| Core structure            | 4x 2x AWG 26/7   |
| Gender                    | Female   |
| Shielding                 | Shielded   |
| Number of contacts        | 8  |
| Coding                    | X-coding   |
| Locking type              | Screw locking<br>PushPull  |
| Technical characteristics |  |

#### Technical characteristics

| Rated current                | 0.5 A  |
|------------------------------|--|
| Rated voltage                | 50 V   |
| Rated impulse voltage        | 1.5 kV   |
| Pollution degree             | 3  |
| Transmission characteristics | Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz |

Page 1/3 | Creation date 2023-02-03 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



### **Technical characteristics**

| Overvoltage category                   | III  |
|--|--|
| Data rate                              | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/s<br>5 Gbit/s<br>10 Gbit/s |
| Insulation resistance                  | >10 <sup>8</sup> Ω   |
| Contact resistance                     | ≤10 mΩ   |
| Tightening torque                      | 2 Nm Lock nut  |
| Wrench size                            | 18   |
| Limiting temperature                   | -40 +85 °C   |
| Mating cycles                          | ≥100   |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition  |
| Isolation group                        | I (600 ≤ CTI)  |

## Material properties

| Material (insert)                    | Liquid crystal polymer (LCP)                           |
|--------------------------------------|--|
| Material (contacts)                  | Brass  |
| Surface (contacts)                   | Au over Ni Mating side                                 |
| Material (hood/housing)              | Zinc die-cast  |
| 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                | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol<br>Lead   |
| ECHA SCIP number                     | a37d5146-999a-4b9a-b795-2f24e0cbb884                   |
| California Proposition 65 substances | Yes  |
| California Proposition 65 substances | Lead<br>Nickel<br>Naphthalene                          |

Page 2 / 3 | Creation date 2023-02-03 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



#### Specifications and approvals

| Specifications                 | IEC 61076-2-109   |
|--------------------------------|---|
| Commercial data                |   |
| Packaging size                 | 1   |
| Net weight                     | 58 g  |
| Country of origin              | Romania   |
| European customs tariff number | 85444290  |
| GTIN                           | 5713140227910   |
| eCl@ss                         | 27440103 Sensor-actuator connector chassis (sensor technology acc.) |