

## M12 PFT Crimp 8-pole X-coded female 0.5m



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 21 33 070 0853 005                                                                  |
| Specification      | M12 PFT Crimp 8-pole X-coded female 0.5m                                            |
| HARTING eCatalogue | <a href="https://harting.com/21330700853005">https://harting.com/21330700853005</a> |

### Identification

|                |                                                                                    |
|----------------|------------------------------------------------------------------------------------|
| Category       | Connectors                                                                         |
| Series         | Circular connectors M12                                                            |
| Identification | PushPull                                                                           |
| Element        | Panel feed through                                                                 |
| Specification  | Pre-assembled on one side<br>EtherRail cable (4x 2x AWG 24/7)<br>for rear mounting |

### Version

|                    |                           |
|--------------------|---------------------------|
| Cable length       | 0.5 m                     |
| Core structure     | 4x 2x AWG 24/7            |
| Gender             | Female                    |
| Shielding          | Shielded                  |
| Number of contacts | 8                         |
| Coding             | X-coding                  |
| Locking type       | Screw locking<br>PushPull |

### 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 |



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## Technical characteristics

|                                        |                             |
|----------------------------------------|-----------------------------|
| Overvoltage category                   | III                         |
| Data rate                              | 10 Mbit/s                   |
|                                        | 100 Mbit/s                  |
|                                        | 1 Gbit/s                    |
|                                        | 2.5 Gbit/s                  |
|                                        | 5 Gbit/s                    |
|                                        | 10 Gbit/s                   |
| Insulation resistance                  | $>10^8 \Omega$              |
| Contact resistance                     | $\leq 10 \text{ m}\Omega$   |
| Tightening torque                      | 2 Nm Lock nut               |
| Wrench size                            | 18                          |
| Limiting temperature                   | -40 ... +85 °C              |
| Mating cycles                          | $\geq 100$                  |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Isolation group                        | I ( $600 \leq \text{CTI}$ ) |

## 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                | Lead                                                   |
| ECHA SCIP number                     | a37d5146-999a-4b9a-b795-2f24e0cbb884                   |
| California Proposition 65 substances | Yes                                                    |
| California Proposition 65 substances | Lead                                                   |
|                                      | Nickel                                                 |



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Specifications and approvals

|                |                 |
|----------------|-----------------|
| Specifications | IEC 61076-2-109 |
|----------------|-----------------|

Commercial data

|                                |                                                                         |
|--------------------------------|-------------------------------------------------------------------------|
| Packaging size                 | 1                                                                       |
| Net weight                     | 83 g                                                                    |
| Country of origin              | Romania                                                                 |
| European customs tariff number | 85444290                                                                |
| GTIN                           | 5713140227880                                                           |
| eCl@ss                         | 27440103 Sensor-actuator connector chassis (sensor technology actuator) |
| UNSPSC 24.0                    | 39121413                                                                |