

## M12 MD PP IDC CC Male Straight 8Pol Xcod



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

|                    |   |
|--------------------|---|
| Part number        | 21 12 283 1830  |
| Specification      | M12 MD PP IDC CC Male Straight 8Pol Xcod  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21122831830">https://b2b.harting.com/21122831830</a> |

### Identification

|                |                         |
|----------------|-------------------------|
| Category       | Connectors              |
| Series         | Circular connectors M12 |
| Identification | PushPull                |
| Element        | Cable connector         |
| Specification  | Straight                |

### Version

|                    |                 |
|--------------------|-----------------|
| Termination method | IDC termination |
| Gender             | Male            |
| Shielding          | Shielded        |
| Number of contacts | 8               |
| Coding             | X-coding        |
| Locking type       | Outer PushPull  |

### Technical characteristics

|                              |  |
|------------------------------|--|
| Wire outer diameter          | 0.9 ... 1.6 mm   |
| Rated current                | 0.5 A  |
| Rated impulse voltage        | 0.8 kV   |
| Pollution degree             | 3  |
| Transmission characteristics | Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz |
| Overvoltage category         | III  |
| Data rate                    | 10 Gbit/s  |
| Insulation resistance        | >10 <sup>8</sup> Ω                                     |



Pushing Performance  
Since 1945

## Technical characteristics

|  |                             |
|--|-----------------------------|
| Contact resistance                     | ≤10 mΩ                      |
| Limiting temperature                   | -40 ... +85 °C              |
| Mating cycles                          | ≥100                        |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Cable diameter                         | 5.7 ... 8.8 mm              |
| Isolation group                        | I (600 ≤ CTI)               |

## Material properties

|                                      |                             |
|--------------------------------------|-----------------------------|
| Material (insert)                    | PA66                        |
| Material (contacts)                  | Copper alloy                |
| Surface (contacts)                   | Au over Ni Mating side      |
| Material (hood/housing)              | Zinc die-cast               |
| RoHS                                 | compliant                   |
| ELV status                           | compliant                   |
| China RoHS                           | e                           |
| REACH Annex XVII substances          | Not contained               |
| REACH ANNEX XIV substances           | Not contained               |
| REACH SVHC substances                | Not contained               |
| California Proposition 65 substances | Yes                         |
| California Proposition 65 substances | Antimony trioxide<br>Nickel |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08)        |
| Requirement set with Hazard Levels   | R26                         |

## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | IEC 61076-2-109<br>acc. to IEC 61076-2-010 |
|----------------|--|

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 1             |
| Country of origin              | Romania       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140819863 |
| ETIM                           | EC002635      |



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## Commercial data

eCl@ss

27440116 Circular connector (for field assembly)

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