

## Circular Con. M12crimp female B-Code5pol



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 21 03 841 2505                                                                |
| Specification      | Circular Con. M12crimp female B-Code5pol                                      |
| HARTING eCatalogue | <a href="https://harting.com/21038412505">https://harting.com/21038412505</a> |

### Identification

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

### Version

|                    |                                         |
|--------------------|-----------------------------------------|
| Termination method | Crimp termination                       |
| Gender             | Female                                  |
| Shielding          | Shielded                                |
| Number of contacts | 5                                       |
| Coding             | B-coding                                |
| Locking type       | Screw locking                           |
| Details            | Please order crimp contacts separately. |

### Technical characteristics

|                               |                               |
|-------------------------------|-------------------------------|
| Conductor cross-section       | 0.14 ... 0.75 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 26 ... AWG 18             |
| Wire outer diameter           | ≤2.3 mm                       |
| Rated current                 | 4 A                           |
| Rated voltage                 | 60 V                          |
| Rated impulse voltage         | 1.5 kV                        |
| Pollution degree              | 3                             |
| Overvoltage category          | III                           |



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## Technical characteristics

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Insulation resistance                     | $>10^8 \Omega$              |
| Contact resistance                        | $\leq 10 \text{ m}\Omega$   |
| Tightening torque                         | 0.6 Nm                      |
| Wrench size (knurled screw / knurled nut) | 17                          |
| Limiting temperature                      | -40 ... +85 °C              |
| Mating cycles                             | $\geq 500$                  |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition |
| Cable diameter                            | 4.5 ... 8.8 mm              |
| Isolation group                           | I ( $600 \leq \text{CTI}$ ) |

## Material properties

|                                      |                      |
|--------------------------------------|----------------------|
| Material (insert)                    | Polyamide (PA)       |
| 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 | Lead<br>Nickel       |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels   | R26                  |

## Specifications and approvals

|                |                                                            |
|----------------|------------------------------------------------------------|
| Specifications | IEC 61076-2-101                                            |
| UL / CSA       | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

|                   |         |
|-------------------|---------|
| Packaging size    | 1       |
| Net weight        | 47 g    |
| Country of origin | Germany |



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Commercial data

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| European customs tariff number | 85365080                                         |
| GTIN                           | 5713140139688                                    |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |
| ETIM                           | EC002635                                         |
| UNSPSC 24.0                    | 39121413                                         |