

## M12 Crimp Slim Design 8pol A-coded male



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 21 03 821 1805                                                                        |
| Specification      | M12 Crimp Slim Design 8pol A-coded male                                               |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21038211805">https://b2b.harting.com/21038211805</a> |

### Identification

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

### Version

|                    |                                         |
|--------------------|-----------------------------------------|
| Termination method | Crimp termination                       |
| Gender             | Male                                    |
| Locking type       | Screw locking                           |
| Shielding          | Shielded                                |
| Number of contacts | 8                                       |
| Coding             | A-coding                                |
| Details            | Please order crimp contacts separately. |

### Technical characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.13 ... 0.33 mm <sup>2</sup> |
| Conductor cross-section | AWG 26 ... AWG 22             |
| Wire outer diameter     | ≤1.65 mm                      |
| Rated current           | 2 A                           |
| Rated voltage           | 30 V AC<br>30 V DC            |
| Rated impulse voltage   | 0.8 kV                        |



Pushing Performance

## Technical characteristics

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Pollution degree                          | 3                           |
| Overvoltage category                      | III                         |
| Insulation resistance                     | $>10^8 \Omega$              |
| Contact resistance                        | $\leq 10 \text{ m}\Omega$   |
| Tightening torque                         | 0.6 Nm                      |
| Wrench size (knurled screw / knurled nut) | 15                          |
| Ambient temperature                       | -40 ... +85 °C              |
| Mating cycles                             | $\geq 500$                  |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition |
| Cable diameter                            | 5.7 ... 8.8 mm              |
| Isolation group                           | I ( $600 \leq \text{CTI}$ ) |

## Material properties

|                             |                              |
|-----------------------------|------------------------------|
| Material (insert)           | Liquid crystal polymer (LCP) |
| Material (hood/housing)     | Zinc die-cast                |
| RoHS                        | compliant                    |
| ELV status                  | compliant                    |
| China RoHS                  | e                            |
| REACH Annex XVII substances | No                           |
| REACH ANNEX XIV substances  | No                           |
| REACH SVHC substances       | No                           |

## Specifications and approvals

|                |                                                            |
|----------------|------------------------------------------------------------|
| Specifications | IEC 61076-2-101                                            |
| UL / CSA       | UL 2238 CYJV2.E302521<br>CSA-C22.2 No. 182.3 CYJV8.E302521 |

## Commercial data

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Packaging size                 | 1                                                |
| Net weight                     | 46.2 g                                           |
| Country of origin              | Romania                                          |
| European customs tariff number | 85366990                                         |
| eCl@ss                         | 27440102 Circular connector (for field assembly) |