

## PCB receptacle female front A-cod 8-pole



|                    |   |
|--------------------|---|
| Part number        | 21 03 321 2831  |
| Specification      | PCB receptacle female front A-cod 8-pole  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033212831">https://b2b.harting.com/21033212831</a> |

### Identification

|               |   |
|---------------|---|
| Category      | Connectors                                      |
| Series        | Circular connectors M12                         |
| Element       | PCB adapter                                     |
| Specification | Straight<br>incl. housing<br>for front mounting |

### Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Gender             | Female                             |
| Locking type       | Screw locking<br>PushPull          |
| Shielding          | Shielded                           |
| Number of contacts | 8                                  |
| Coding             | A-coding                           |

### Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 2 A                       |
| Rated voltage         | 30 V                      |
| Rated impulse voltage | 1.5 kV                    |
| Pollution degree      | 3                         |
| Insulation resistance | $>10^8 \Omega$            |
| Contact resistance    | $\leq 10 \text{ m}\Omega$ |
| Ambient temperature   | -40 ... +85 °C            |
| Tightening torque     | 2 Nm Lock nut             |



Pushing Performance

## Technical characteristics

|  |                        |
|--|------------------------|
| Mating cycles                          | ≥100                   |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 when mated |
| Overvoltage category                   | III                    |
| Isolation group                        | I (600 ≤ CTI)          |

## Material properties

|                             |  |
|-----------------------------|--|
| Material (insert)           | Liquid crystal polymer (LCP)                           |
| Material (contacts)         | Copper alloy   |
| Surface (contacts)          | Gold plated  |
| 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 | No   |
| REACH ANNEX XIV substances  | No   |
| REACH SVHC substances       | Yes  |
| REACH SVHC substances       | Lead   |

## Specifications and approvals

|                |                 |
|----------------|-----------------|
| Specifications | IEC 61076-2-101 |
|----------------|-----------------|

## Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 1                      |
| Net weight                     | 27.25 g                |
| Country of origin              | Romania                |
| European customs tariff number | 85366990               |
| eCl@ss                         | 27440402 PCB connector |