

M12-Female PFT 8 pole A-coded



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

| | |
|--------------------|---|
| Part number | 21 03 311 2801 |
| Specification | M12-Female PFT 8 pole A-coded |
| HARTING eCatalogue | https://b2b.harting.com/21033112801 |

Identification

| | |
|---------------|-------------------------|
| Category | Connectors |
| Series | Circular connectors M12 |
| Element | PCB adapter |
| Specification | Straight |

Version

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

Technical characteristics

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



Technical characteristics

| | |
|--|---------------|
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP67 |
| Isolation group | I (600 ≤ CTI) |

Material properties

| | |
|---|--|
| Material (insert) | Liquid crystal polymer (LCP) |
| Material (contacts) | Copper alloy |
| Surface (contacts) | Au over Ni Mating side |
| Material (hood/housing) | Zinc die-cast |
| Material flammability class acc. to UL 94 | V-0 |
| 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 |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead |

Specifications and approvals

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

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 1 |
| Net weight | 15.7 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| GTIN | 5713140137608 |
| eCl@ss | 27460201 PCB connector (board connector) |