

M12 Power S - PCB male back 1pc



| Part number | 21 03 309 1430 |
|--------------------|-------------------------------------|
| Specification | M12 Power S - PCB male back 1pc |
| HARTING eCatalogue | https://b2b.harting.com/21033091430 |

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

Identification

| Category | Connectors |
|----------------|----------------------------|
| Series | Circular connectors M12 |
| Identification | Power |
| Element | PCB adapter |
| Specification | Straight for rear mounting |

Version

| Termination method | Reflow soldering termination (THR) |
|-----------------------------------|------------------------------------|
| Gender | Male |
| Shielding | Shielded |
| Number of contacts | 4 |
| Number of power contacts | 3 |
| Number of special contacts | 1 |
| Specification of special contacts | PE contact |
| Coding | S-coding |
| Locking type | Screw locking PushPull |
| Pack contents | incl. housing |

Technical characteristics

| Rated current | 12 A |
|-----------------------|-------|
| Rated voltage | 630 V |
| Rated impulse voltage | 6 kV |

Page 1 / 3 | Creation date 2024-02-17 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Technical characteristics

| Pollution degree | 3 |
|--|-----------------------------|
| Overvoltage category | III |
| Insulation resistance | >10 ⁸ Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 2 Nm Lock nut |
| Limiting temperature | -40 +125 °C |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Isolation group | I (600 ≤ CTI) |

Material properties

| Material (insert) | Polyamide (PA) |
|---|--|
| Material (contacts) | Copper alloy |
| Surface (contacts) | Au over Ni Mating side |
| 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 |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels | R26 |

Specifications and approvals

| Specifications | IEC 61076-2-111 |
|----------------|-----------------|
| | IEC 61076-2-010 |

Commercial data

| Packaging size 1 |
|------------------|
|------------------|

Page 2 / 3 | Creation date 2024-02-17 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Commercial data

| Net weight | 28 g |
|--------------------------------|--|
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140228580 |
| ETIM | EC002637 |
| eCl@ss | 27460201 PCB connector (board connector) |