Pushing Performance
Since 1945

# M12 Power S - PCB male back 1pc



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

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

## Identification

| | |
|---|---|
| Category | Connectors |
| Series | Circular connectors M12 |
| Identification | Power |
| Element | PCB adapter |
| Specification | Straight<br>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<br>PushPull |
| Pack contents | incl. housing |

## Technical characteristics

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


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## 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 |


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## 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) |


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