Pushing Performance
Since 1945

# DIN-Signal high current m, 20A solder



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

| | |
|---|---|
| Part number | 09 03 000 6102 |
| Specification | DIN-Signal high current m, 20A solder |
| HARTING eCatalogue | https://harting.com/09030006102 |

## Identification

| | |
|---|---|
| Category | Contacts |
| Series | DIN 41612<br>har-modular® |
| Type of contact | Solder contact |
| Description of the contact | Straight |
| Contacts for | DIN 41612 Type M<br>DIN 41612 Type M invers<br>DIN 41612 Type MH 21+5<br>DIN 41612 Bauform M 0+2<br>har-modular® M module, male, angled<br>har-modular® M module, male, straight |

## Version

| | |
|---|---|
| Termination method | Solder termination |
| Gender | Male contact for male connectors |
| Connection type | Motherboard to daughtercard<br>Mezzanine<br>PCB to cable |
| Manufacturing process | Turned contacts |

## Technical characteristics

| | |
|---|---|
| Rated current | ≤20 A |
| Insertion force | ≤10 N |
| Withdrawal force | ≥1.6 N |
| Performance level | 1 |


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## Technical characteristics

| | |
|---|---|
| Mating cycles | ≥500 |

## Material properties

| | |
|---|---|
| Material (contacts) | Copper alloy |
| Surface (contacts) | Noble metal over Ni Mating side |
| 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 |
| ECHA SCIP number | 0d7d3693-d625-47ab-934a-d241bf72c86e |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead<br>Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels | no requirements (flammable mass < 10g) |

## Specifications and approvals

| | |
|---|---|
| Specifications | DIN 41626 |

## Commercial data

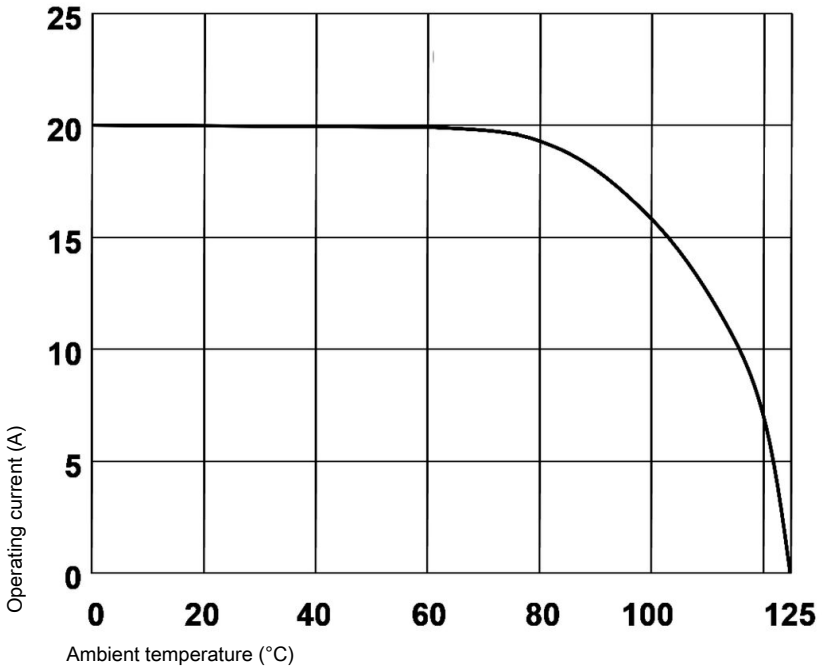
| | |
|---|---|
| Packaging size | 100 |
| Net weight | 1.6 g |
| Country of origin | Hungary |
| European customs tariff number | 85366990 |
| GTIN | 5713140003811 |
| eCl@ss | 27440204 Contact for industrial connectors |
| ETIM | EC000796 |
| UNSPSC 24.0 | 39121522 |


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## Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.
Measuring and testing techniques acc. to IEC 60512-5-2





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