

DIN-Signal 2B032MS-3C1-3



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

| | |
|--------------------|---|
| Part number | 09 22 132 7922 |
| Specification | DIN-Signal 2B032MS-3C1-3 |
| HARTING eCatalogue | https://b2b.harting.com/09221327922 |

Identification

| | |
|----------------------------|----------------|
| Category | Connectors |
| Series | DIN 41612 |
| Identification | Type 2B |
| Element | Male connector |
| Description of the contact | Straight |
| Features | lead-free |

Version

| | |
|-----------------------|--|
| Termination method | Wave soldering termination |
| Connection type | Motherboard to daughtercard Mezzanine |
| Number of contacts | 32 |
| Contact configuration | Rows a and b, positions 1, 2, ... , 15, 16 |
| Termination length | 3 mm |
| Coding | Coding with loss of contacts |
| PCB fixing | With fixing flange |

Technical characteristics

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|------------------------------------|---|
| Contact rows | 2 |
| Contact spacing (termination side) | 2.54 mm |
| Contact spacing (mating side) | 2.54 mm |
| Rated current | 2 A |
| Rated current | Rated current measured at 20 °C, see derating curve for details |



Pushing Performance
 Since 1945

Technical characteristics

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|----------------------------------|--------------------------|
| Clearance distance | ≥1.2 mm |
| Creepage distance | ≥1.2 mm |
| Insulation resistance | >10 ¹² Ω |
| Contact resistance | ≤20 mΩ |
| Limiting temperature | -55 ... +125 °C |
| Insertion and withdrawal force | ≤30 N |
| Performance level | 3 acc. to IEC 60603-2 |
| Mating cycles | ≥50 |
| Test voltage U _{r.m.s.} | 1 kV |
| Isolation group | IIIa (175 ≤ CTI < 400) |
| Hot plugging | No |

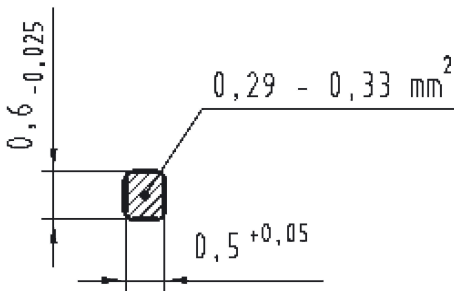
Material properties

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|---|--|
| Material (insert) | Thermoplastic resin, glass-fibre filled |
| Colour (insert) | RAL 7032 (pebble grey) |
| Material (contacts) | Copper alloy |
| Surface (contacts) | Noble metal over Ni Mating side Sn over Ni Termination side |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant |
| ELV status | compliant |
| China RoHS | e |
| REACH Annex XVII substances | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Not contained |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Antimony trioxide Lead Nickel |
| Requirement set with Hazard Levels | R26 |

Specifications and approvals

| | |
|----------------|-----------------------------|
| Specifications | IEC 60603-2 (complementary) |
|----------------|-----------------------------|

Cross section of solder termination

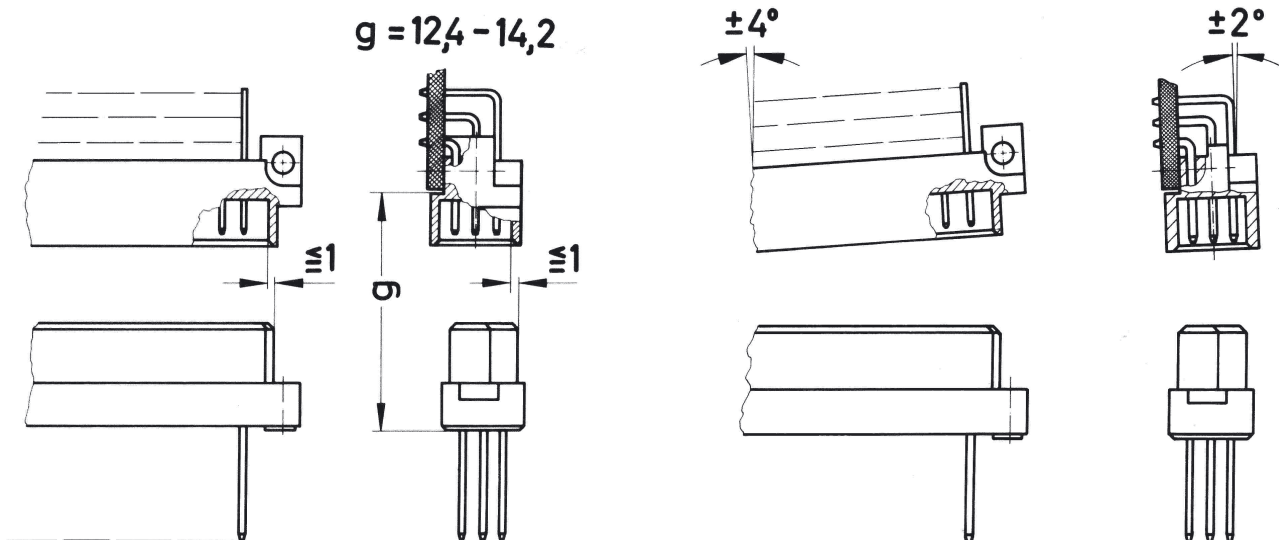


Soldering instructions

The connectors should be protected when being soldered. Otherwise, they might become contaminated as a result of soldering operations or deformed as a result of overheating.

- 1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the underside of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector. This will prevent heat and gases of the soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice.
- 2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the connectors from gas and heat generated by the soldering apparatus. As an additional protection a foil can be used for covering the parts that should not be soldered.

Mating conditions



To ensure reliable connections and prevent unnecessary damage, please refer to the application data diagrams. These recommendations are set out in IEC 60603-2.

The connectors should not be coupled and decoupled under electrical load.