

## DSUB SV MASSDPSTR29 09PPL2NUTSLK4-40HT



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 65 129 6703                                                                        |
| Specification      | DSUB SV MASSDPSTR29<br>09PPL2NUTSLK4-40HT                                             |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09651296703">https://b2b.harting.com/09651296703</a> |

### Identification

|                            |                     |
|----------------------------|---------------------|
| Category                   | Connectors          |
| Series                     | D-Sub               |
| Identification             | Standard            |
| Element                    | Connector           |
| Description of the contact | Stamped<br>Straight |

### Version

|                    |                                               |
|--------------------|-----------------------------------------------|
| Termination method | Reflow soldering termination (THR)            |
| Gender             | Male                                          |
| Size               | D-Sub 1                                       |
| Connection type    | Motherboard to daughtercard<br>Mezzanine      |
| Number of contacts | 9                                             |
| Termination length | 2.9 mm                                        |
| Locking type       | Fixing flange with fitted screw lock 4-40 UNC |

### Technical characteristics

|                                    |                     |
|------------------------------------|---------------------|
| Distance between rows              | 2.84 mm             |
| Contact spacing (termination side) | 2.74 mm             |
| Rated current                      | 6.5 A               |
| Clearance distance                 | ≥1 mm               |
| Creepage distance                  | ≥1 mm               |
| Insulation resistance              | >10 <sup>10</sup> Ω |



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## Technical characteristics

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| Contact resistance               | ≤10 mΩ                                                          |
| Tightening torque                | ≤0.4 Nm Locking screw                                           |
| Limiting temperature             | -55 ... +125 °C (during reflow soldering max. +240 °C for 15 s) |
| Insertion force                  | ≤30 N                                                           |
| Withdrawal force                 | ≥3.3 N<br>≤20 N                                                 |
| Performance level                | 2<br>acc. to CECC 75301-802                                     |
| Mating cycles                    | ≥250                                                            |
| Test voltage U <sub>r.m.s.</sub> | 1 kV                                                            |
| Isolation group                  | II (400 ≤ CTI < 600)                                            |
| PCB thickness                    | ≥1.6 mm                                                         |
| Installation height              | 6.2 mm                                                          |
| Hot plugging                     | No                                                              |

## Material properties

|                                           |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PCT)<br>Shell: steel, nickel plated |
| Colour (insert)                           | Grey                                                                         |
| Material (contacts)                       | Copper alloy                                                                 |
| Surface (contacts)                        | Noble metal over Ni                                                          |
| 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                                                                         |
| ECHA SCIP number                          | ecef7555-f643-4ceb-a337-fc54762297f1                                         |
| California Proposition 65 substances      | Yes                                                                          |
| California Proposition 65 substances      | Lead<br>Nickel                                                               |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                                         |



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Material properties

Requirement set with Hazard Levels R26

Specifications and approvals

|                |           |
|----------------|-----------|
| Specifications | DIN 41652 |
|----------------|-----------|

Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 1                      |
| Net weight                     | 8.51 g                 |
| Country of origin              | Romania                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140076907          |
| ETIM                           | EC001136               |
| eCl@ss                         | 27440214 D-Sub coupler |