

## D-SUB S 09P STR FE THR UNCSL PL2 GP RE



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 09 66 175 6583 741                                                                  |
| Specification      | D-SUB S 09P STR FE THR UNCSL PL2 GP RE                                              |
| HARTING eCatalogue | <a href="https://harting.com/09661756583741">https://harting.com/09661756583741</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             | Female                                        |
| Size               | D-Sub 1                                       |
| Connection type    | Motherboard to daughtercard<br>Mezzanine      |
| Number of contacts | 9                                             |
| further contacts   | With grounding pin                            |
| Termination length | 2.1 mm                                        |
| Locking type       | Fixing flange with fitted screw lock 4-40 UNC |
| Pack contents      | 200 pieces on reel                            |

### Technical characteristics

|                                    |         |
|------------------------------------|---------|
| Distance between rows              | 2.84 mm |
| Contact spacing (termination side) | 2.74 mm |
| Rated current                      | 8 A     |
| Rated current                      | @ 40 °C |



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## Technical characteristics

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Clearance distance               | ≥1 mm                               |
| Creepage distance                | ≥1 mm                               |
| Insulation resistance            | >10 <sup>10</sup> Ω                 |
| Contact resistance               | ≤10 mΩ                              |
| Tightening torque                | ≤0.4 Nm Locking screw               |
| Limiting temperature             | -55 ... +125 °C                     |
| 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                  | I (600 ≤ CTI)                       |
| PCB thickness                    | ≥1.6 mm                             |
| Installation height              | 6.2 mm                              |
| Hot plugging                     | No                                  |
| Moisture Sensitivity Level (MSL) | 1 acc. to ECA/IPC/JEDEC J-STD-020D  |
| Process Sensitivity Level (PSL)  | R0 acc. to ECA/IPC/JEDEC J-STD-020D |

## Material properties

|                                           |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PPA)<br>Shell: steel, nickel plated |
| Colour (insert)                           | Black                                                                        |
| 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                                                                         |



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Material properties

|                                      |        |
|--------------------------------------|--------|
| California Proposition 65 substances | Yes    |
| California Proposition 65 substances | Lead   |
|                                      | Nickel |

Specifications and approvals

|                |                |
|----------------|----------------|
| Specifications | DIN 41652      |
|                | CECC 75301-802 |

Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 200                    |
| Net weight                     | 0.015 kg               |
| Country of origin              | Romania                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140218123          |
| ETIM                           | EC001136               |
| eCl@ss                         | 27440214 D-Sub coupler |