



Pushing Performance  
Since 1945

# DSUB SV MA SSDP STR 09P AU2



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 66 121 6701                                                                |
| Specification      | DSUB SV MA SSDP STR 09P AU2                                                   |
| HARTING eCatalogue | <a href="https://harting.com/09661216701">https://harting.com/09661216701</a> |

## Identification

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

## Version

|                    |                                          |
|--------------------|------------------------------------------|
| Termination method | Wave soldering termination               |
| Gender             | Male                                     |
| Size               | D-Sub 1                                  |
| Connection type    | Motherboard to daughtercard<br>Mezzanine |
| Number of contacts | 9                                        |
| Termination length | 3.7 mm                                   |
| Locking type       | Fixing flange with thread M3             |

## Technical characteristics

|                                    |                     |
|------------------------------------|---------------------|
| Distance between rows              | 2.84 mm             |
| Contact spacing (termination side) | 2.74 mm             |
| Rated current                      | 7.5 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                | ≤0.6 Nm Female screw lock   |
| 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                  | IIIa (175 ≤ CTI < 400)      |
| PCB thickness                    | ≥1.6 mm                     |
| Installation height              | 6.2 mm                      |
| Hot plugging                     | No                          |

## Material properties

|                                           |                                                                       |
|-------------------------------------------|-----------------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PBTP)<br>Shell: Plated steel |
| 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                                                                  |
| 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             |
| UL / CSA       | UL 1977 ECBT2.E102079 |

Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 100                    |
| Net weight                     | 7.26 g                 |
| Country of origin              | China                  |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140080218          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |