



Pushing Performance  
Since 1945

# DSUB SV MA TSDP STR 50P PL3



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

|                    |   |
|--------------------|---|
| Part number        | 09 67 050 5654  |
| Specification      | DSUB SV MA TSDP STR 50P PL3   |
| HARTING eCatalogue | <a href="https://harting.com/09670505654">https://harting.com/09670505654</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 5                                       |
| Connection type    | Motherboard to daughtercard<br>Mezzanine      |
| Number of contacts | 50  |
| Termination length | 5.8 mm  |
| PCB fixing         | Without board locks                           |
| Locking type       | Fixing flange with feed through hole Ø 3.1 mm |

## Technical characteristics

|                                    |         |
|------------------------------------|---------|
| Distance between rows              | 2.84 mm |
| Contact spacing (termination side) | 2.76 mm |
| Flange height                      | 6.5 mm  |
| Rated current                      | 7.5 A   |
| Clearance distance                 | ≥1 mm   |



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## Technical characteristics

|                                  |                        |
|----------------------------------|------------------------|
| Creepage distance                | ≥1 mm                  |
| Insulation resistance            | >10 <sup>10</sup> Ω    |
| Contact resistance               | ≤10 mΩ                 |
| Limiting temperature             | -55 ... +125 °C        |
| Insertion force                  | ≤167 N                 |
| Withdrawal force                 | ≥14.5 N<br>≤111 N      |
| Performance level                | 3                      |
| Mating cycles                    | ≥50                    |
| Test voltage U <sub>r.m.s.</sub> | 1 kV                   |
| Isolation group                  | IIIa (175 ≤ CTI < 400) |
| PCB thickness                    | ≤1.6 mm                |
| Installation height              | 5.4 mm                 |
| Hot plugging                     | No                     |

## Material properties

|   |  |
|---|--|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PBTP)<br>Shell: steel, tin plated |
| Colour (insert)                           | White  |
| 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)   |

Page 2 / 3 | Creation date 2025-06-17 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

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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                 | 25                     |
| Net weight                     | 16.6 g                 |
| Country of origin              | Germany                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140093805          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |