

## DSUB SV MA SSDP ANG87-254 50P AU2



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 66 562 6813                                                                |
| Specification      | DSUB SV MA SSDP ANG87-254 50P AU2                                             |
| HARTING eCatalogue | <a href="https://harting.com/09665626813">https://harting.com/09665626813</a> |

### Identification

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

### Version

|                    |                                               |
|--------------------|-----------------------------------------------|
| Termination method | Wave soldering termination                    |
| Gender             | Male                                          |
| Size               | D-Sub 5                                       |
| Connection type    | Motherboard to daughtercard                   |
| Number of contacts | 50                                            |
| further contacts   | With grounding pin                            |
| Termination length | 3 mm                                          |
| PCB fixing         | With board locks                              |
| Locking type       | Fixing flange with fitted screw lock 4-40 UNC |

### Technical characteristics

|                                    |         |
|------------------------------------|---------|
| Distance between rows              | 2.54 mm |
| Contact spacing (termination side) | 2.76 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                      |
| Tightening torque                | ≤0.4 Nm Locking screw       |
| Limiting temperature             | -55 ... +125 °C             |
| Insertion force                  | ≤167 N                      |
| Withdrawal force                 | ≥14.5 N<br>≤111 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              | 8.7 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                                                                   |



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## Material properties

|                                      |                      |
|--------------------------------------|----------------------|
| California Proposition 65 substances | Lead<br>Nickel       |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels   | R26                  |

## Specifications and approvals

|                |                       |
|----------------|-----------------------|
| Specifications | DIN 41652             |
| UL / CSA       | UL 1977 ECBT2.E102079 |

## Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 50                     |
| Net weight                     | 25.02 g                |
| Country of origin              | China                  |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140086418          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |