



Pushing Performance  
Since 1945

# D SUB HD MA STR 62P S4\_4-40 NUT



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 56 461 5712                                                                |
| Specification      | D SUB HD MA STR 62P S4_4-40 NUT                                               |
| HARTING eCatalogue | <a href="https://harting.com/09564615712">https://harting.com/09564615712</a> |

## Identification

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

## Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Wave soldering termination         |
| Gender             | Male                               |
| Size               | D-Sub 4                            |
| Number of contacts | 62                                 |
| PCB fixing         | With board locks                   |
| Locking type       | Fixing flange with thread 4-40 UNC |

## Technical characteristics

|                                    |                         |
|------------------------------------|-------------------------|
| Distance between rows              | 1.98 mm                 |
| Contact spacing (termination side) | 2.41 mm                 |
| Rated current                      | 2 A                     |
| Clearance distance                 | ≥1 mm                   |
| Creepage distance                  | ≥1 mm                   |
| Insulation resistance              | > 5 x 10 <sup>9</sup> Ω |
| Contact resistance                 | <20 mΩ                  |



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## Technical characteristics

|                           |                               |
|---------------------------|-------------------------------|
| Tightening torque         | ≤0.6 Nm Female screw lock     |
| Limiting temperature      | -40 ... +85 °C                |
| Performance level         | NM 30 (S4)<br>1               |
| Mating cycles             | ≥500                          |
| Test voltage $U_{r.m.s.}$ | 1 kV                          |
| Isolation group           | IIIa ( $175 \leq CTI < 400$ ) |
| PCB thickness             | 1.6 mm                        |
| Installation height       | 6.1 mm                        |
| Hot plugging              | No                            |

## Material properties

|                                           |                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PBTP)<br>Shell: steel, nickel plated |
| Colour (insert)                           | Black                                                                         |
| Material (contacts)                       | Copper alloy                                                                  |
| Surface (contacts)                        | Noble metal over Ni Mating side<br>Sn over Ni Termination side                |
| Layer thickness                           | ≥0.76 µm                                                                      |
| Layer thickness                           | ≥30 µinch                                                                     |
| 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                                                                          |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                                          |
| Requirement set with Hazard Levels        | R26                                                                           |



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Specifications and approvals

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

Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 50                     |
| Net weight                     | 13.62 g                |
| Country of origin              | China                  |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140072121          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |