

## DSUB HD MA RA 78P S4 4-40 SCREW AND B-LO

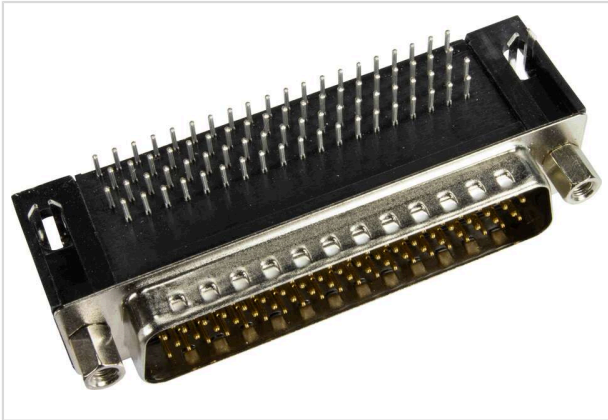


Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 09 56 562 5813  |
| Specification      | DSUB HD MA RA 78P S4 4-40 SCREW AND B-LO                                      |
| HARTING eCatalogue | <a href="https://harting.com/09565625813">https://harting.com/09565625813</a> |

### Identification

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

### Version

|                    |   |
|--------------------|---|
| Termination method | Wave soldering termination                    |
| Gender             | Male  |
| Size               | D-Sub 5                                       |
| Number of contacts | 78  |
| PCB fixing         | With board locks                              |
| Locking type       | Fixing flange with fitted screw lock 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                 | <25 mΩ                  |



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## Technical characteristics

|                           |                               |
|---------------------------|-------------------------------|
| Tightening torque         | ≤0.4 Nm Locking screw         |
| 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       | 7.6 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                     | 0.005 g                |
| Country of origin              | China                  |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140072442          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |