

## DSUB HD FE RA 62P S4 4-40 NUT AND B-LOCK



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

### 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             | Female                             |
| 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                 | <25 mΩ                  |

## 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 <sub>r.m.s.</sub> | 1 kV                      |
| Isolation group                  | IIIa (175 ≤ CTI < 400)    |
| PCB thickness                    | 1.6 mm                    |
| Installation height              | 6.3 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   |

## Specifications and approvals

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

## Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 50                     |
| Net weight                     | 21.32 g                |
| Country of origin              | China                  |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140072077          |
| ETIM                           | EC001136               |
| eCl@ss                         | 27440214 D-Sub coupler |