

## D SUB SV FE IDC 37 AU2 with 4-40 nut



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 66 418 6502                                                                |
| Specification      | D SUB SV FE IDC 37 AU2 with 4-40 nut                                          |
| HARTING eCatalogue | <a href="https://harting.com/09664186502">https://harting.com/09664186502</a> |

### Identification

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

### Version

|                    |                                         |
|--------------------|-----------------------------------------|
| Termination method | IDC insulation displacement termination |
| Gender             | Female                                  |
| Size               | D-Sub 4                                 |
| Connection type    | PCB to cable<br>Cable to cable          |
| Number of contacts | 37                                      |
| Locking type       | Fixing flange with thread 4-40 UNC      |

### Technical characteristics

|                               |                               |
|-------------------------------|-------------------------------|
| Conductor cross-section       | 0.09 ... 0.13 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 28 ... AWG 26             |
| Rated current                 | 2 A                           |
| Clearance distance            | ≥0.7 mm                       |
| Creepage distance             | ≥0.7 mm                       |
| Insulation resistance         | >10 <sup>10</sup> Ω           |
| Contact resistance            | ≤10 mΩ                        |



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## Technical characteristics

|                           |                             |
|---------------------------|-----------------------------|
| Tightening torque         | ≤0.6 Nm Female screw lock   |
| Limiting temperature      | -55 ... +125 °C             |
| Insertion force           | ≤123 N                      |
| Withdrawal force          | ≥11 N<br>≤82 N              |
| Performance level         | 2<br>acc. to CECC 75301-802 |
| Mating cycles             | ≥250                        |
| Test voltage $U_{r.m.s.}$ | 1 kV                        |
| 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                                                                   |
| California Proposition 65 substances      | Lead<br>Nickel                                                        |

## Specifications and approvals

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



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Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 50                     |
| Net weight                     | 18 g                   |
| Country of origin              | China                  |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140085053          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |