

## D SUB IP 67 FE STR\_PCB\_37P\_S4\_METAL FRAM



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

|                    |   |
|--------------------|---|
| Part number        | 09 67 637 8775  |
| Specification      | D SUB IP 67 FE<br>STR_PCB_37P_S4_METAL FRAM   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09676378775">https://b2b.harting.com/09676378775</a> |

### Identification

|                            |                    |
|----------------------------|--------------------|
| Category                   | Connectors         |
| Series                     | D-Sub              |
| Identification             | IP67               |
| Element                    | Connector          |
| Specification              | With rear frame    |
| Description of the contact | Turned<br>Straight |

### Version

|                    |                              |
|--------------------|------------------------------|
| Termination method | Wave soldering termination   |
| Gender             | Female                       |
| Size               | D-Sub 4                      |
| Number of contacts | 37                           |
| further contacts   | With grounding pin           |
| PCB fixing         | With board locks             |
| Locking type       | Fixing flange with thread M3 |

### Technical characteristics

|                                    |         |
|------------------------------------|---------|
| Distance between rows              | 2.84 mm |
| Contact spacing (termination side) | 2.74 mm |
| Rated current                      | 5 A     |
| Clearance distance                 | ≥1 mm   |
| Creepage distance                  | ≥1 mm   |



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## Technical characteristics

|  |                                  |
|--|----------------------------------|
| Insulation resistance                  | > 5 x 10 <sup>9</sup> Ω          |
| Contact resistance                     | ≤10 mΩ                           |
| Tightening torque                      | 0.4 ... 0.6 Nm Female screw lock |
| Limiting temperature                   | -25 ... +70 °C                   |
| Performance level                      | NM 30 (S4)<br>1                  |
| Mating cycles                          | ≥500                             |
| Degree of protection acc. to IEC 60529 | IP67                             |
| Test voltage U <sub>r.m.s.</sub>       | 1.2 kV                           |
| Isolation group                        | IIIa (175 ≤ CTI < 400)           |
| PCB thickness                          | 1.6 mm                           |
| Installation height                    | 8 mm                             |
| Hot plugging                           | No                               |

## Material properties

|   |   |
|---|---|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled<br>Shell: brass, tin plated |
| Colour (insert)                           | Red   |
| Material (contacts)                       | Copper alloy  |
| Surface (contacts)                        | Noble metal over Ni   |
| Layer thickness                           | ≥0.76 μm  |
| Layer thickness                           | ≥30 μinch   |
| Material (seal)                           | Silicone  |
| Colour (seal)                             | Red   |
| Material                                  | Zinc die-cast, nickel-plated  |
| 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  |



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## Material properties

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| ECHA SCIP number                     | ecef7555-f643-4ceb-a337-fc54762297f1 |
| California Proposition 65 substances | Yes                                  |
| California Proposition 65 substances | Lead                                 |

## Specifications and approvals

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

## Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 25                     |
| Net weight                     | 47.36 g                |
| Country of origin              | Germany                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140095038          |
| eCl@ss                         | 27440214 D-Sub coupler |