



Pushing Performance  
Since 1945

# D SUB IP 67 MA STR\_PCB\_9P\_S4\_METAL FRAME



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

|                    |   |
|--------------------|---|
| Part number        | 09 67 609 7675  |
| Specification      | D SUB IP 67 MA<br>STR_PCB_9P_S4_METAL FRAME   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09676097675">https://b2b.harting.com/09676097675</a> |

## Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Wave soldering termination         |
| Gender             | Male                               |
| Size               | D-Sub 1                            |
| Number of contacts | 9                                  |
| further contacts   | With grounding pin                 |
| PCB fixing         | With board locks                   |
| Locking type       | Fixing flange with thread 4-40 UNC |

## 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                            |
| 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                           |



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## Technical characteristics

|                     |                                      |
|---------------------|--------------------------------------|
| Isolation group     | IIIa ( $175 \leq \text{CTI} < 400$ ) |
| 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                           | $\geq 0.76 \mu\text{m}$   |
| Layer thickness                           | $\geq 30 \mu\text{inch}$  |
| 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  |
| 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 |



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Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 50                     |
| Net weight                     | 12.8 g                 |
| Country of origin              | Germany                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140094659          |
| eCl@ss                         | 27440214 D-Sub coupler |