

## DSUB SV FE SSDP ANG73-284 37P PL2 GC4-HT



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 66 457 6613                                                                        |
| Specification      | DSUB SV FE SSDP ANG73-284 37P<br>PL2 GC4-HT                                           |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09664576613">https://b2b.harting.com/09664576613</a> |

### Identification

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

### Version

|                    |                                               |
|--------------------|-----------------------------------------------|
| Termination method | Reflow soldering termination (THR)            |
| Gender             | Female                                        |
| Size               | D-Sub 4                                       |
| Connection type    | Motherboard to daughtercard                   |
| Number of contacts | 37                                            |
| Termination length | 2.9 mm                                        |
| PCB fixing         | With board locks                              |
| Locking type       | Fixing flange with fitted screw lock 4-40 UNC |

### Technical characteristics

|                                    |         |
|------------------------------------|---------|
| Distance between rows              | 2.84 mm |
| Contact spacing (termination side) | 2.76 mm |
| Rated current                      | 6.5 A   |
| Clearance distance                 | ≥1 mm   |
| Creepage distance                  | ≥1 mm   |



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## Technical characteristics

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Insulation resistance            | $>10^{10} \Omega$                                                                                                 |
| Contact resistance               | $\leq 10 \text{ m}\Omega$                                                                                         |
| Tightening torque                | $\leq 0.4 \text{ Nm}$ Locking screw                                                                               |
| Limiting temperature             | $-55 \dots +125 \text{ }^{\circ}\text{C}$ (during reflow soldering max. $+240 \text{ }^{\circ}\text{C}$ for 15 s) |
| Insertion force                  | $\leq 123 \text{ N}$                                                                                              |
| Withdrawal force                 | $\geq 11 \text{ N}$<br>$\leq 82 \text{ N}$                                                                        |
| Performance level                | 2<br>acc. to CECC 75301-802                                                                                       |
| Mating cycles                    | $\geq 250$                                                                                                        |
| Test voltage $U_{\text{r.m.s.}}$ | 1 kV                                                                                                              |
| Isolation group                  | II ( $400 \leq \text{CTI} < 600$ )                                                                                |
| PCB thickness                    | $\geq 1.6 \text{ mm}$                                                                                             |
| Installation height              | 7.3 mm                                                                                                            |
| Hot plugging                     | No                                                                                                                |

## Material properties

|                                           |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PCT)<br>Shell: steel, nickel plated |
| Colour (insert)                           | Grey                                                                         |
| 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                                                               |



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Material properties

|                                     |                      |
|-------------------------------------|----------------------|
| 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                 | 1                      |
| Net weight                     | 21.9 g                 |
| Country of origin              | Romania                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140085831          |
| ETIM                           | EC001136               |
| eCl@ss                         | 27440214 D-Sub coupler |