

# D SUB MIXED FE 20A PL3 solder power cont



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 69 181 7821                                                                |
| Specification      | D SUB MIXED FE 20A PL3 solder power cont                                      |
| HARTING eCatalogue | <a href="https://harting.com/09691817821">https://harting.com/09691817821</a> |

## Identification

|                            |                           |
|----------------------------|---------------------------|
| Category                   | Contacts                  |
| Series                     | D-Sub                     |
| Identification             | Mixed                     |
| Type of contact            | Solder contact            |
| Description of the contact | Straight<br>Short version |

## Version

|                       |                    |
|-----------------------|--------------------|
| Termination method    | Solder termination |
| Termination method    | Solder termination |
| Gender                | Female             |
| Manufacturing process | Turned contacts    |

## Technical characteristics

|                               |                           |
|-------------------------------|---------------------------|
| Conductor cross-section       | 2.5 ... 4 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 14 ... AWG 12         |
| Rated current                 | ≤20 A                     |
| Contact resistance            | ≤1 mΩ                     |
| Stripping length              | 4.5 mm                    |
| Limiting temperature          | -55 ... +155 °C           |
| Insertion force               | ≤7 N                      |
| Withdrawal force              | ≈5 N                      |
| Performance level             | 3                         |



**Pushing Performance**  
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## Technical characteristics

Mating cycles ≥50

## Material properties

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| Material (contacts)                  | Copper alloy                                                   |
| Surface (contacts)                   | Noble metal over Ni Mating side<br>Sn over Ni Termination side |
| Material (locking)                   | Copper alloy                                                   |
| 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                                                 |

## Commercial data

|                                |                                            |
|--------------------------------|--------------------------------------------|
| Packaging size                 | 100                                        |
| Net weight                     | 1.592 g                                    |
| Country of origin              | Germany                                    |
| European customs tariff number | 85366990                                   |
| GTIN                           | 5713140096929                              |
| eCl@ss                         | 27440204 Contact for industrial connectors |
| ETIM                           | EC000796                                   |
| UNSPSC 24.0                    | 39121522                                   |