

## S12LOC-P12MFD0-4200

odu\_mini\_snap®\_series\_l

### straight\_push\_pull\_plug

size: 2, IP50, keying: 0, number\_of\_contacts: 12, solder\_cup, contact\_type: pins, Signal

ODU EXPRESS



#### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | S12LOC-P12MFD0-4200 |
| Category           | connector           |
| Type of connector  | plug                |
| Assembly situation | straight            |
| Size               | 2                   |

#### Contact insert description

|                        |            |
|------------------------|------------|
| Transmission type      | Signal     |
| Number of contacts     | 12         |
| Contact type           | pins       |
| Contact diameter       | 0.7 mm     |
| Termination type       | solder_cup |
| Termination diameter   | 0.65 mm    |
| Wire cross section AWG | AWG 26     |

#### Technical information

|  |                             |  |
|--|-----------------------------|--|
| Max. current single contact                  | 6 A                         | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 3.3                         | VDE 0298-4:2003                            |
| Test voltage                                 | 1.35 kV AC                  | SAE AS 13441:1998 method 3001.1            |
| Max. creepage distance (contact to contact)  | 1 mm (Contact to housing)   |  |
| Max. creepage distance (contact to housing)  | 1.3 mm (Contact to housing) |  |
| Max. clearance distance (contact to contact) | 1.0 mm (Contact to contact) |  |
| Max. clearance distance (contact to housing) | 1.3 mm (Contact to housing) |  |

#### Cable description

|                     |          |
|---------------------|----------|
| Cable outlet        | back_nut |
| Min. cable diameter | 3        |
| Max. cable diameter | 4.2      |

## Mechanical and environmental data

|                            |           |
|----------------------------|-----------|
| Locking principle          | push_pull |
| Mating cycles              | 5000      |
| IP class                   | IP50      |
| Max. operating temperature | 120 °C    |
| Min. operating temperature | -40 °C    |

## Material and surface treatments

|                    |                                  |
|--------------------|----------------------------------|
| Material           | cu_alloy_with_matt_chrome_finish |
| Insulator material | peek                             |
| Contact material   | cu_alloy_with_gold_finish        |

## Graphics and technical drawings

### DIMENSIONS:



### CODING: 0°



### POSITIONS: 12 positions



## Further technical information and downloads

[3D-File \[STP File\]](#)

[Assembly Instruction](#)

[Technical specifications](#)