

**straight\_in\_line\_receptacle\_with\_break\_away\_and\_push\_pull\_locking**

size: 1, IP50, keying: a, number\_of\_contacts: 9, solder\_cup, contact\_type: sockets, Signal

**Basic information**

|                    |                     |
|--------------------|---------------------|
| Part number        | K11MA8-P09LCC0-3980 |
| Category           | connector           |
| Type of connector  | in_line_receptacle  |
| Assembly situation | straight            |
| Size               | 1                   |

**Contact insert description**

|                        |                             |
|------------------------|-----------------------------|
| Special features       | iec_60601_1_1_mopp_&_2_moop |
| Transmission type      | Signal                      |
| Number of contacts     | 9                           |
| Contact type           | sockets                     |
| Contact diameter       | 0.5 mm                      |
| Termination type       | solder_cup                  |
| Termination diameter   | 0.45 mm                     |
| Wire cross section AWG | AWG 28                      |

**Technical information**

|                                              |                              |                                            |
|----------------------------------------------|------------------------------|--------------------------------------------|
| Nominal current single contact               | 4 A                          | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 2.6                          | VDE 0298-4:2003                            |
| Test voltage                                 | 0.9 kV AC                    | EIA-364-20F:2019-02                        |
| Max. creepage distance (contact to contact)  | 0.65 mm (Contact to housing) |                                            |
| Max. creepage distance (contact to housing)  | IEC 60601-1: 1MOPP, 2MOOP*   |                                            |
| Max. clearance distance (contact to contact) | 0.65 mm (Contact to contact) |                                            |
| Max. clearance distance (contact to housing) | IEC 60601-1: 1MOPP, 2MOOP*   |                                            |

## Cable description

|                     |          |
|---------------------|----------|
| Cable outlet        | back_nut |
| Min. cable diameter | 2.7      |
| Max. cable diameter | 3.9      |

## Mechanical and environmental data

|                            |                        |
|----------------------------|------------------------|
| Locking principle          | break_away , push_pull |
| Keying                     | a                      |
| Mating cycles              | 5000                   |
| IP class                   | IP50                   |
| Max. operating temperature | 120 °C                 |
| Min. operating temperature | 50 °C                  |

## Material and surface treatments

|                                  |                           |
|----------------------------------|---------------------------|
| Material                         | psu_black                 |
| Insulator material               | peek                      |
| Contact material                 | cu_alloy_with_gold_finish |
| Color option (Front or back nut) | black                     |

## Insulator materials MEDI-SNAP®

psu\_peek

## DIMENSIONS



## CODING: 40°



## POSITIONS: 9 Positions



### Further technical information and downloads

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

[Assembly Instruction](#)