

Receptacle for rear panel mounting

General information

| | |
|-------------------|------------------------|
| Part number | GK1LOC-P10QC00-0000 |
| Termination | PCB |
| Size | 1 |
| Locking principle | Break-Away , Push-Pull |
| Coding | 0° |



Illustrations may differ from original product.
Dimensions, unless otherwise specified, in mm.

| | | | | |
|--------------------------|---------------------------------------|------------------------------|---------------------------|---------------------------|
| <p>CODING: 0°</p> | <p>POSITIONS: 10 Positions</p> | <p>PANEL CUT OUT:</p> | <p>DIMENSIONS:</p> | <p>PCB-LAYOUT:</p> |
|--------------------------|---------------------------------------|------------------------------|---------------------------|---------------------------|

The pin layout corresponds to the view on the termination area

Contact insert description

| | |
|----------------------|---------|
| Number of contacts | 10 |
| Contact type | Sockets |
| Contact diameter | 0.5 mm |
| Insulator material | PEEK |
| Termination | PCB |
| Termination diameter | 0.5 mm |

Reverse gender on request

Technical information

| | | |
|--|-----------------------------|--|
| Max. creepage and air clearance distance | 0.5 mm (Contact to contact) | 1.2 mm (Contact to housing) |
| Nominal current single contact | 4 A | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Nominal current insert | 2,2 A | VDE 0298-4:2003 |
| Test voltage | 1 kV AC | SAE AS 13441:1998 method 3001.1 |

All shown connectors are rated to a safety extra low voltage (SELV) of less than 50 V AC / 75 V DC, according to IEC 61140:2016 (VDE 0140-1:2016) Protection against electric shock - Common aspects for installation and equipment. In case other standards rule a specific use of the connector, the application specific safety criteria shall be considered first. In this context, lower voltage ratings may be valid. Warning: Danger to life for operating voltages above 50 V AC / 120 V DC!

Mechanical and environmental data

| | |
|-----------------------|-----------------|
| Degree of protection* | IP50 |
| Operating temperature | -40 °C – 120 °C |
| Mating cycles | 5000 |

*mated & unmated condition

Material and surface treatments

| | |
|---------|----------------------------------|
| Housing | Cu-alloy with matt chrome finish |
| Contact | Cu-alloy with gold finish |

All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).
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