

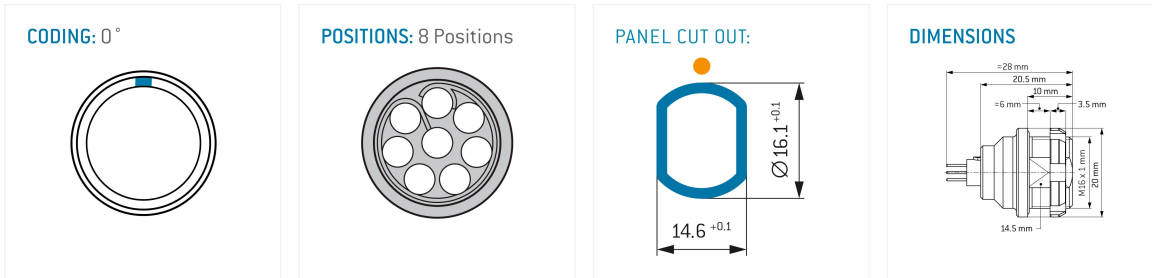
## Receptacle for rear panel mounting

### General information

Part number	G31K0C-P08LFG0-0000
Termination	Solder
Size	1
Locking principle	Break-Away , Push-Pull
Coding	0°



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



The pin layout corresponds to the view on the termination area

### Contact insert description

Number of contacts	8
Contact type	Sockets
Contact diameter	0.7 mm
Insulator material	PEEK
Wire cross section	AWG 22
Termination	Solder
Termination diameter	0.85 mm

Reverse gender on request

### Technical information

Max. creepage and air clearance distance	0.4 mm (Contact to contact)	0.6 mm (Contact to housing)
Nominal current single contact	7.5 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Nominal current insert	4,875 A	VDE 0298-4:2003
Test voltage	0.9 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*	IP68
Operating temperature	-40 °C – 120 °C
Mating cycles	5000

\*mated 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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