

## receptacle\_with\_break\_away\_and\_push\_pull\_locking\_for\_front\_or\_rear\_panel\_mounting

size: 1, IP50, keying: a, number\_of\_contacts: 8, solder\_cup, contact\_type: sockets, Signal

### Basic information

Part number	G51MA8-P08LFD0-0030
Category	connector
Type of connector	receptacle
Assembly situation	front_panel_mounting, rear_panel_mounting
Size	1

### Contact insert description

Special features	iec_60601_1_1_mopp_&_2_moop
Transmission type	Signal
Number of contacts	8
Contact type	sockets
Contact diameter	0.7 mm
Termination type	solder_cup
Termination diameter	0.65 mm
Wire cross section AWG	AWG 26

### Technical information

Nominal current single contact	6 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	3.9	VDE 0298-4:2003
Test voltage	0.95 kV AC	EIA-364-20F:2019-02
Max. creepage distance (contact to contact)	0.6 mm (Contact to housing)	
Max. creepage distance (contact to housing)	IEC 60601-1: 1MOPP. 2MOOP*	
Max. clearance distance (contact to contact)	0.6 mm (Contact to contact)	
Max. clearance distance (contact to housing)	IEC 60601-1: 1MOPP. 2MOOP*	

## Mechanical and environmental data

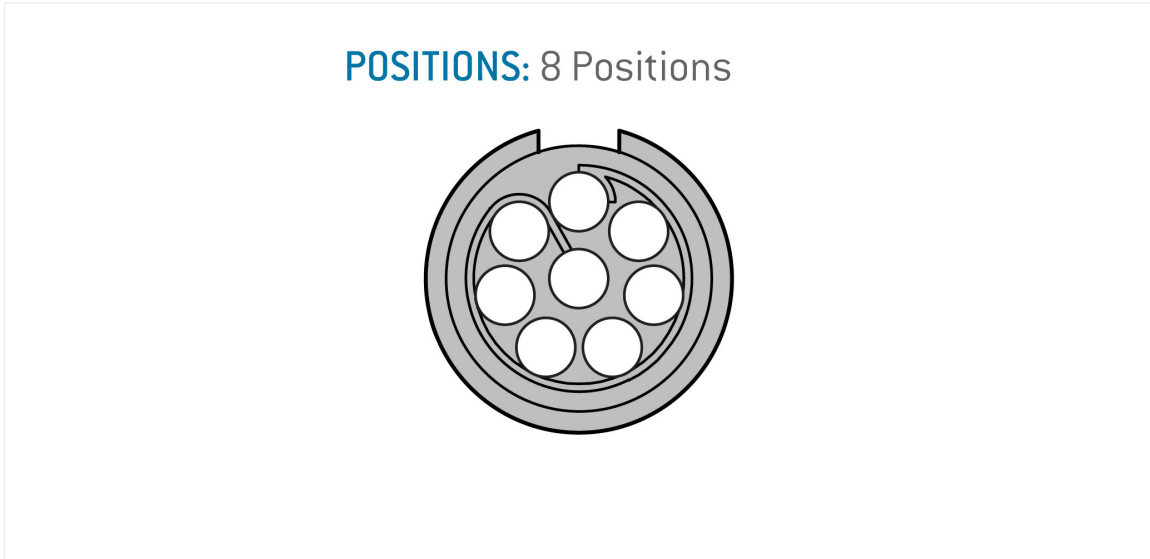
Locking principle	break_away , push_pull
Keying	a
Mating cycles	5000
IP class	IP50
Max. operating temperature	120 °C
Min. operating temperature	50 °C

## Material and surface treatments

Material	psu_black
Insulator material	peek
Contact material	cu_alloy_with_gold_finish
Color option (Front or back nut)	white

## Insulator materials MEDI-SNAP®

psu\_peek\_o\_a



## Further technical information and downloads

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