

S31-RP

HV-receptacle, panel mount, 30 kVDC, 1P

1031-RP1-030-01S14-FR

Mating part: 1031-PC1-030-01S14-12



ELECTRICAL	
Operating voltage	30 kV DC*
Test voltage	45 kV DC
Rated current	30 A
Max. operating current	40 A
Pulse current (10 ms)	3 kA

HOUSING	
Locking system	Threaded coupling
Mounting type	Round flange
Housing material	Brass (CuZn)
Surface plating	Nickel (Ni)
Protection class	IP50 (mated)
Strain relief	Integrated
Rated temperature	-30 to +80°C [-22 to +176°F]

INSULATION	
Number of contacts	1
Insulation material	Thermoplastic
Flammability class	UL94 V-0
CTI value	600
Rated temperature	-50 to +200°C [-58 to +392°F]
Insulation material group	I (DIN IEC 60664)

SUITABLE CABLE	
Shield support	No
Max. diameter cable dielectric	5.0 mm [.197"]
Max. diameter cable jacket	6.5 mm [.256"]
Max. wire size	0.4-2.5 mm² [22-14 AWG]

CONTACTS	
Termination method	Solder or screw
Contact resistance	300 µΩ
Contact diameter	2.5 mm [.098"]
Cross section	2.5 mm² [14 AWG]
Contact material	Brass (CuZn)
Contact plating	Silver (Ag)
Insertion / withdrawal force	5.5 N / 4.0 N
Rated temperature	+120°C [248°F]
Mating cycles	100,000

COMPLIANCE (RMCD)	
✓ 2000/53/CE	✓ 1907/2006 (REACH, SVHC)
✓ 2002/95/CE (RoHS)	
✓ 2003/11/CE	
✓ 2002/96/EU	
✓ 2011/65/EU	
✓ 2015/863/EU	

Manufactured under ISO 9001 & ISO 14001, made in Germany.

* **GES** high voltage connectors are designed, tested, and rated for DC voltages only. GES does not assume any liability for the transmission of AC voltages and for any direct or indirect disadvantages or damages. It is the customer's responsibility to ensure appropriate testing, application safety and functional reliability when transmitting AC voltages via **GES** connectors.

- HIGH VOLTAGE IS HAZARDOUS.
- NEVER UNMATE UNDER LOAD.
- TO BE HANDLED BY TRAINED STAFF ONLY.