

# S40-RP

HV-receptacle, panel mount, 40 kVDC, 1P

**1030-RP1-040-01S14-FS**

Mating part: 1030-PC1-040-01S14-12



ELECTRICAL	
Operating voltage	40 kV DC*
Test voltage	60 kV DC
Rated current	30 A
Pulse current (10 ms)	3 kA

HOUSING	
Locking system	Threaded coupling
Mounting type	Square 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	
Max. diameter cable dielectric	5.0 mm [.197"]
Max. diameter cable jacket	6.5 mm [.256"]
Max. wire size	0.4-2.5 mm <sup>2</sup> [22-14 AWG]

CONTACTS	
Termination method	Solder or screw
Contact resistance	300 μΩ
Contact diameter	2.5 mm [.098"]
Cross section	2.5 mm <sup>2</sup> [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

2000/53/CE, 2002/95/CE (RoHS), 2003/11/CE, 2002/96/EU, 2011/65/EU, 2015/863/EU, 1907/2006 (REACH, SVHC) ISO 9001, ISO 14001, Made in Germany

## NOTES

- Drawings in mm [inch].
- CAD files available on request.

\* **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 damage. 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 MATE OR UNMATE UNDER LOAD | TRAINED STAFF ONLY**

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