

1105-PC

HV-plug, cable mount, 100 kVDC, 1P

1040-PC1-100-01S08-RX

Mating part: 1040-RP1-100-01S08-FR



THIS PART IS BUILT TO ORDER. EXTENDED LEAD TIMES MAY APPLY.

ELECTRICAL	
Operating voltage	100 kV DC*
Test voltage	150 kV DC
Rated current	80 A
Pulse current (10 ms)	10 kA

HOUSING	
Locking system	Threaded coupling
Mounting type	Cable mount, free hanging
Housing material	Brass (CuZn)
Surface plating	Nickel (Ni)
Protection class	IP67 (mated)
Strain relief	Internal grommet (not incl.)
Rated temperature	-30 to +80°C [-22 to +176°F]

INSULATION	
Number of contacts	1 (Coax)
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	Yes
Max. diameter cable dielectric	10.0 mm [.394"]
Max. diameter cable jacket	14.0 mm [.551"]
Max. wire size	10.0 mm² [8 AWG]

CONTACTS	
Termination method	Solder
Contact resistance	150 µΩ
Contact diameter	5.0 mm [.197"]
Cross section	10.0 mm² [8 AWG]
Contact material	Brass (CuZn)
Contact plating	Silver (Ag)
Insertion / withdrawal force	15.0 N / 10.0 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

- Grommets are available separately.
- 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.

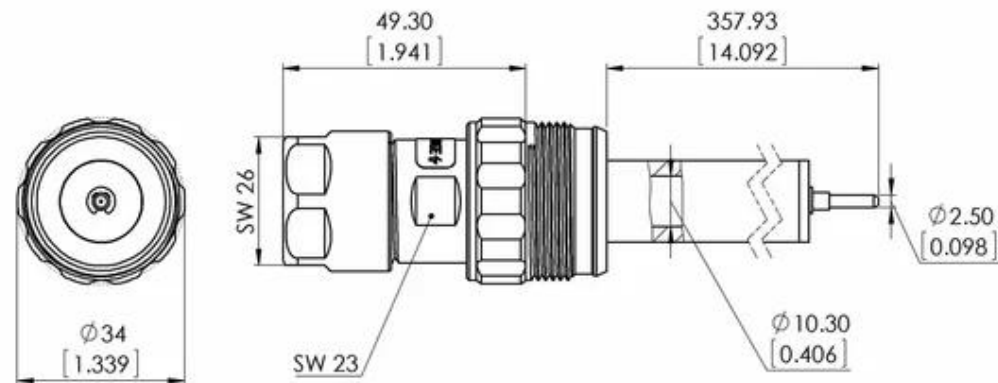
HIGH VOLTAGE IS HAZARDOUS | NEVER MATE OR UNMATE UNDER LOAD | TRAINED STAFF ONLY

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Compatible strain relief grommets

PART NUMBER	DESCRIPTION	DIA (IN)	DIA (OUT)	MATERIAL	COLOR
1100-22A-1-BU	GSR-22080, grommet, 6.5-8.0 mm	6.5-8.0 mm	22 mm	Elastomer Rubber	Blue
1100-22B-1-YW	GSR-22095, grommet, 8.0-9.5 mm	8.0-9.5 mm	22 mm	Elastomer Rubber	Yellow
1100-22C-1-RD	GSR-22110, grommet, 9.5-11.0 mm	9.5-11.0 mm	22 mm	Elastomer Rubber	Red
1100-22D-1-GN	GSR-22125, grommet, 11.0-12.5 mm	11.0-12.5 mm	22 mm	Elastomer Rubber	Green
1100-22E-1-GY	GSR-22140, grommet, 12.5-14.0 mm	12.5-14.0 mm	22 mm	Elastomer Rubber	Gray