



Image for illustrative purpose only

Summary

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[r series](#)

Number of contacts Low Voltage	3
Nb of contacts Coax	8
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 9.20 mm
Size	1R
Suggested matching part	FGG.1R.803.GLC8192

https://www.lemo.com/int_en/phg-1r-803-glm8192.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Crimp
Nb of contacts Coax	8
Insert configuration value	1R.803 - 8 Coax (50 Ohm), 3 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Impedance	50 Ohms
Test voltage (kV rms)	1.5

Form & Material

Shell style / Model id	PHG - Free receptacle, cable collet key (G) or key (A), with cable collet
Socket / Receptacle	Free
Housing material	Crastin® PBT (Polybutylene terephthalate), grey
Locking system	Push-pull
Keying	3 keys (alpha=50,beta=30, plug: male contacts, receptacle: female contacts)
Weight	29.26 g

Environment

Environmental sealing (IP rating)	IP50
Temperature range	-30°C / +150° C

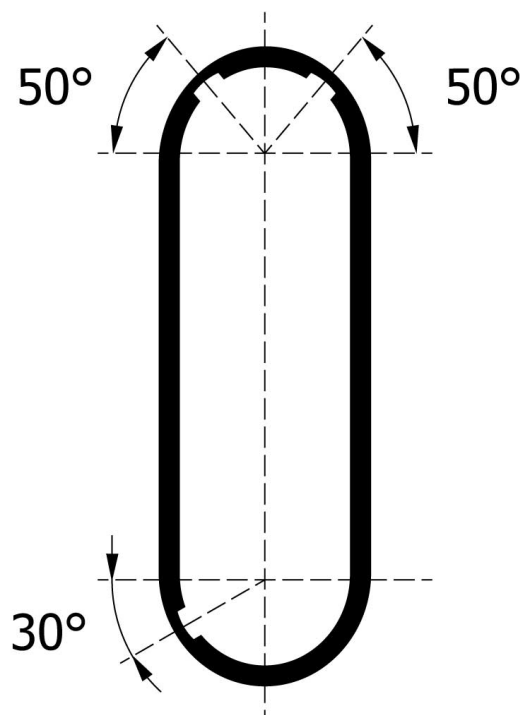
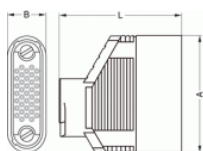
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.00 - 9.20 mm

Drawings

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Dimensions

	A	B	L
mm.	37	12.5	39
in.	1.46	0.49	1.54

Recommended By Lemo

Contacts

Replacement contact [EGG.0B.660.ZZM](#)

Tools

Positionner [DCE.91.090.BVM](#)

Extraction tool [DCC.09.05B.LAG](#)

Extraction tool 2 [DCC.91.C0R.LAG](#)

Crimp tool [DPC.91.701.V](#)

Crimp Tool 2 [DPE.99.003.1K](#)

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