

[Standard](#)

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Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.10 - 6.50 mm
Size	1T
Suggested matching part	FGG.1T.307.CYCC65Z
Series	T - Small Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/phg-1t-307-cymc65z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	T.307 - 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	2 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	26 - 22
Gender	Standard

Form & Material

Shell style / Model id	PH - Free receptacle, cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	25.02 g

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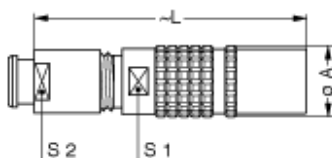
Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Resistance to vibration	15 g [10 Hz - 2000 Hz]
Shock Resistance	100 g [6 ms]
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.10 - 6.50 mm

Drawings



Dimensions

	A	L	S1	S2
mm.	12	42.5	10	9
in.	0.47	1.67	0.39	0.35

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Recommended By Lemo

Accessories	
Replacement contact	EGG.1B.655.ZZM
Compatible cap	BRF.1T.200.CAZ
Tools	
Spanner	DCP.0T.110.TN
Positionner	DCE.91.071.BVM
Extraction tool	DCC.07.04B.LAG
Crimp tool	DPC.91.701.V