

Standard



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	16
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.10 - 6.50 mm
Size	1T
Suggested matching part	<a href="#">EGG.1T.316.CLL</a> <a href="#">PHG.1T.316.CLLC65Z</a>

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-316-clac65z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-316-clac65z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	1T.316 - 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.8 kV (DC)
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.09 mm <sup>2</sup> (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
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	16.98 g

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## Environment

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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]
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Cable fixation

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

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BFG.1T.100.CAS</a>
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### Tools

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Spanner	<a href="#">DCP.0T.110.TN</a>
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## CAD

### Documents

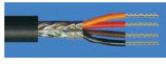
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Eplan	<a href="#">Download</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
116280	PVC	Black	

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