

Standard



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Summary

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BKT series

Number of contacts Low Voltage	16
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Size	1K
Suggested matching part	PHG.1K.316.CLLC40
Series	K - Outdoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	1K.316 - 16 Low Voltage
Footprint IPC Class3 compatibility	No
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 ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (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	FA - Fixed plug, non-latching, nut fixing
Plug	Fixed
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Snap-on
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	23.23 g

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fag-1k-316-cla.html

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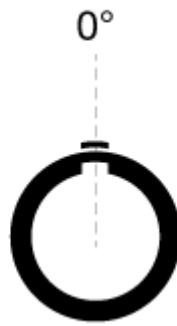
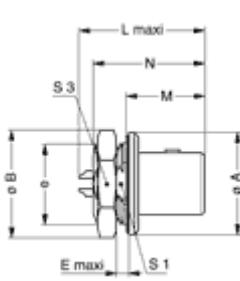
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 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]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Panel Drill Hole	M16

Drawings



Dimensions

	A	B	e	E	L	M	N	S1	S3
mm.	20	21.5	M16x1.0	2.3	27.6	16	22.5	14.5	19
in.	0.79	0.85		0.09	1.09	0.63	0.89	0.57	0.75

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Documents

[Eplan](#)[Download](#)

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.16.T28.059PGZE		grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			
CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	

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