



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	34 - 28
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 14.60 mm
Size	1K
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/hgg-1k-316-tllp.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/hgg-1k-316-tllp.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	1K.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	HG - Fixed receptacle, nut fixing, watertight or vacuum-tight
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Stainless steel shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Watertight unmated (connector to device)
Weight	20.23 g

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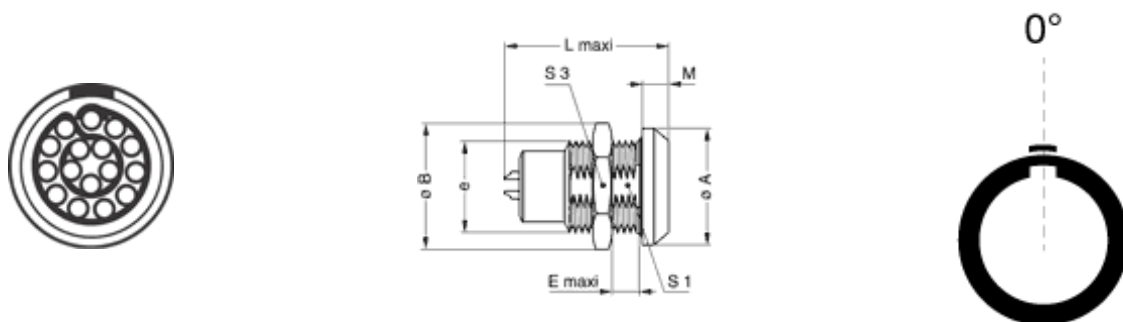
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-20°C / +100°C
Climatical Category	20/80/21
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]
Pressure	60 bars

## Cable fixation

Jacket cable outside diameter [mm]	1.00 - 14.60 mm
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## Drawings



## Dimensions

	<b>S3</b>	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>S1</b>
mm.	19	20	21.5	M16x1.0	9	30	4.5	14.5
in.	0.75	0.79	0.85		0.35	1.18	0.18	0.57

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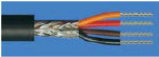
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# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BRE.1K.200.NAS</a>
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# 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	