

## SUMMARY

### # Wires

Low	8
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	1K
Termination type	Male solder
IP rating	68
Cable Ø	0.00 - 0.00 mm
Matching parts	FGL.1K.308.CLCC65
Status	active
Alternative part	

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EH*: Fixed receptacle, nut fixing and protruding shell
Keying	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Cable Fixing	∅ 0 - 0 mm
Variant	
Weight	24.31 g

### Performance

Configuration	1K.308 : 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/3.2, depends on material thickness)
Rated Current	5 Amps

### Specifications

Contact Type:	Solder
Max. Matings:	5000
Contact Dia.:	0.7 mm (0.028in)

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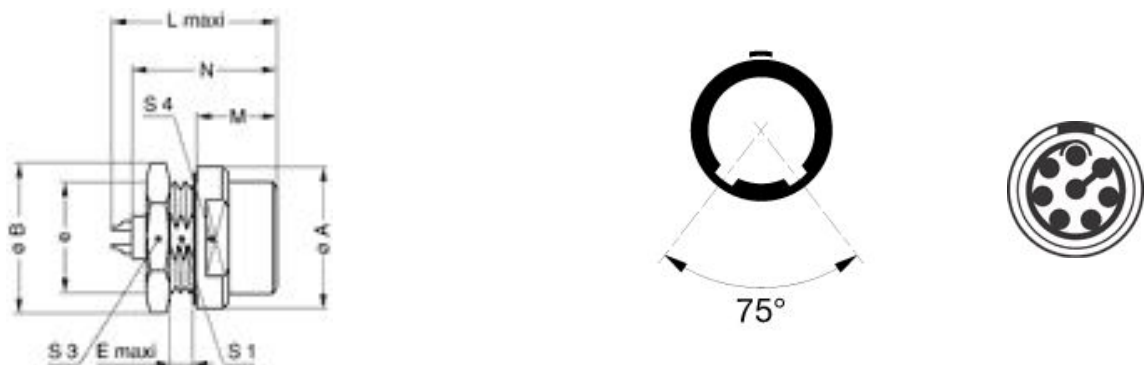
Bucket Dia.: 0.8 mm (0.031in)  
 Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 R (max): 6.1 mOhm  
 Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
 Vtest (contact-contact): 950 V (AC), 1340 V (DC)

## Others

Endurance (Shell): 5000 mating cycles  
 Temp (min / max): -55°C / +200°C  
 Humidity (max): <=95% [at 60 deg C / 140 F]  
 Vibration: 15 g [10 Hz - 2000 Hz]  
 Shock Resistance: 100 g [ 6 ms]  
 Salt Spray Corrosion: >1000 hr  
 Climatical Category: 50/175/21  
 Shielding (min): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 IP Rating: 68

## DRAWINGS

### Draws



### Dimensions

	A	B	E	L	M	N	S1	S3	S4	e
mm.	20	21.5	1.5	27	15.5	25.1	14.5	19	17	M16x1.0
in.	0,79	0,85	0,06	1,06	0,61	0,99	0,57	0,75	0,67	

















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# RECOMMENDED BY LEMO

## Tools

None

## Cables

CMN.08.T22.059PGCE	PVC	GREY	
CMN.08.T22.059PGZE		Grey	
CMN.08.T22.059PNCE	PVC	Black	
CMN.08.T22.059PNZE			
CMN.08.T22.059QGC	TPR	Grey	
CMN.08.T22.059QGZE	TPR (medical)	Grey	
CMN.08.T26.042QGZE	TPR (medical)	Grey	
008 050	PVC	Black	
008 280	PVC	Black	
016 080	PVC	Grey	
042 265	PVC	Yellow	
080 140	PVC	Grey	
108 220	PVC	Black	
108 240	PTFE	White	
108 260	PTFE	White	
180 240	PVC	Black	
180 260	PVC	Black	
280 250	PVC	Grey	
335 990	PVC	Black	
335 991	PVC	Black	

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