

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 2

Series	1K
Termination type	Male crimp
IP rating	68 when mated
AWG wire size	20.00 - 18.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGL.1K.302.CYMC65</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EE*: Fixed receptacle, nut fixing (back panel mounting)
Keying	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Weight	18.93 g

### Performance

Configuration	1K.302 : 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	15 Amps

### Specifications

Contact Type:	Crimp
Contact Retention:	40 N
Contact Dia.:	1.3 mm (0.051in)
Bucket Dia.:	1.4 mm (0.055in)
Min. Conductor:	0.5 mm <sup>2</sup> (AWG 20)
Max. Conductor:	1 mm <sup>2</sup> (AWG 18)
R (max):	3.6 mOhm
Vtest (contact-shell):	1450 V (AC), 2050 V (DC)

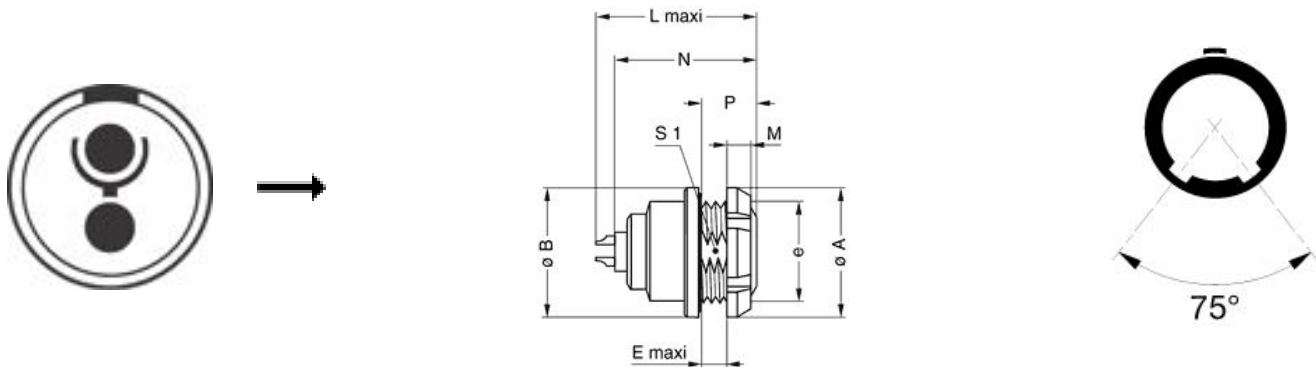
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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]  
Climatical Category: 50/175/21  
Shielding (min): 95 dB (10 MHz)  
Shielding (min): 80 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

	A	B	E	L	M	N	P	S1	e
mm.	20	20	6.2	27	3.5	25.1	10	14.5	M16x1.0
in.	0,79	0,79	0,24	1,06	0,14	0,99	0,39	0,57	





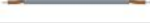






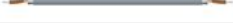















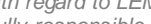
## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 18-20/8-7  
Positionner: [DCE.91.131.BVC](#)  
Extractor: [DCC.13.15B.LAG](#)  
Replacement contact: FGG.1B.565.ZZC  
Spanner wrench: [Socket for torque wrench DCM.1E.M16.6](#)

## Cables

CMN.02.T18.064UNCU			
CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		Grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	
120240	PVC	Black	
120250	PVC	Grey	
120500	PVC	Grey	
120501	PVC	Grey	
120751	PVC	Grey	
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	
20550	PUR	Black	
20560	PUR	White	

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2080	PVC	Grey	
220750	PVC	Grey	
2221	PVC	Black	
2260	PTFE	White	

2280	PVC	Black	
4082	PVC	Grey	
CMB.02.210.635	PUR	Black	

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