

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 5

Series 3K  
Termination type Female crimp  
IP rating 68  
AWG wire size 18.00 - 14.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.3K.305.CYCC80](#)

### Download

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EG\*: Fixed receptacle, nut fixing  
Keying 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  
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  
Weight 68.45 g

### Performance

Configuration 3K.305 : 5 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 19 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 50 N  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.9 mm (0.075in)  
Min. Conductor: 1 mm<sup>2</sup> (AWG 18)  
Max. Conductor: 1.5 mm<sup>2</sup> (AWG 14)  
R (max): 3.5 mOhm  
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)

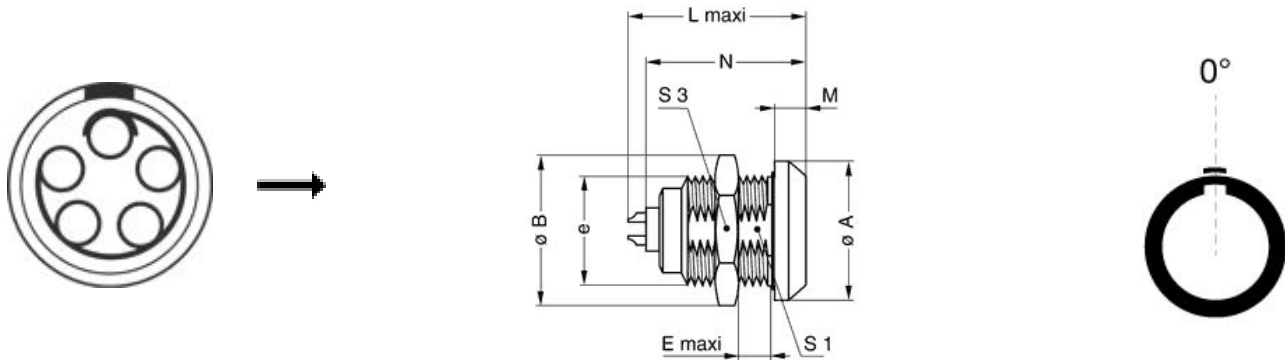
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Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

## 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	S1	S3	e
mm.	31	34.5	11	36.2	6	33.6	22.5	30	M24x1.0
in.	1,22	1,36	0,43	1,43	0,24	1,32	0,89	1,18	








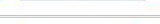






## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.101.A](#)  
 Crimp settings: AWG/Selector = 14-16-18/7-6-5  
 Positionner: [DCE.91.163.BVCM](#)  
 Extractor: [DCF.91.163.5LT](#)  
 Replacement contact: EGG.3B.670.ZZM

## Cables

CMN.05.T18.065PGZE		Grey	
CMN.05.T18.065PNZE			
CMN.05.T20.057PGZE		Grey	
CMN.05.T20.057PNZE			
CMN.05.T20.057QGZE	TPR (medical)	Grey	
CMN.05.T22.051QGZE	TPR (medical)	Grey	
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T28.029PGZE		Grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
150250	PVC	Grey	
250500	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	
5050	PVC	Black	

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