

SUMMARY

Wires

Low voltage	7
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Image is for illustrative purpose only

Series	1K
Termination type	Male crimp
IP rating	68
AWG wire size	26.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	FGL.1K.307.CYMC55

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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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Weight	19.79 g

Performance

Configuration	1K.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	7 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	22 N
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Min. Conductor:	0.14 mm ² (AWG 26)
Max. Conductor:	0.34 mm ² (AWG 22)
R (max):	6.1 mOhm
Vtest (contact-shell):	1450 V (AC), 2050 V (DC)

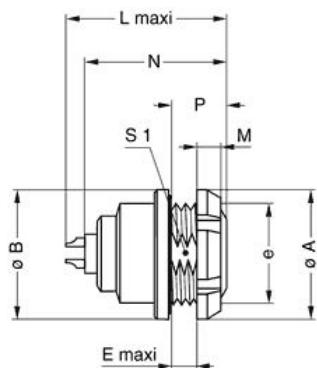
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

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 = 22-24-26/6-5-5
 Positionner: [DCE.91.071.BVC](#)
 Extractor: [DCF.91.070.2LT](#)
 Replacement contact: FGG.1B.555.ZZC

Cables

CMN.07.T26.037QGZE	TPR (medical)	Grey	
CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			
270250	PVC	Grey	
70140	PVC	Grey	
7041	PVC	Grey	
7050	PVC	Black	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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