

SUMMARY

Wires

Low voltage 30



Image is for illustrative purpose only

Series 3K
Termination type Female crimp
IP rating 68
AWG wire size 32.00 - 28.00
Cable Ø 8.10 - 8.50 mm
Status active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug, cable adapter and nut for fitting a bend relief
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
Variant Z : Nut for fitting a bend relief
Weight 73.73 g

Performance

Configuration 3K.330 : 30 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 3.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)

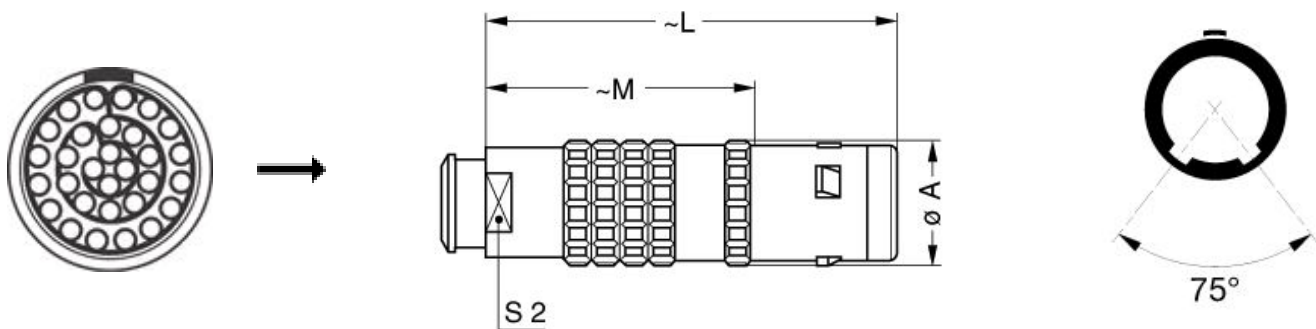
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R (max): 6.1 mOhm
 Vtest (contact-shell): 1200 V (AC), 1700 V (DC)
 Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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	L	M	S2
mm.	19	60	40	15
in.	0,75	2,36	1,57	0,59

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 26-28-30/3-3-2
Positionner:	DCE.91.073.BVM
Extractor:	DCF.92.070.3LT
Replacement contact:	EGG.3B.656.ZZM
Spanner wrench:	DCD.3E.030.PA150

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