

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series	2K
Termination type	Female crimp
IP rating	68
AWG wire size	16.00 - 12.00
Cable Ø	6.60 - 7.00 mm
Status	obsolete
Alternative part	FPL.2K.302.CYMC70Z
Matching parts	EGL.2K.302.CYC

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FH*: Elbow plug, cable collet 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	64.63 g

Performance

Configuration	2K.302 : 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	25 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	65 N
Contact Dia.:	2 mm (0.079in)
Bucket Dia.:	2.4 mm (0.094in)
Min. Conductor:	1.5 mm ² (AWG 16)
Max. Conductor:	2.5 mm ² (AWG 12)

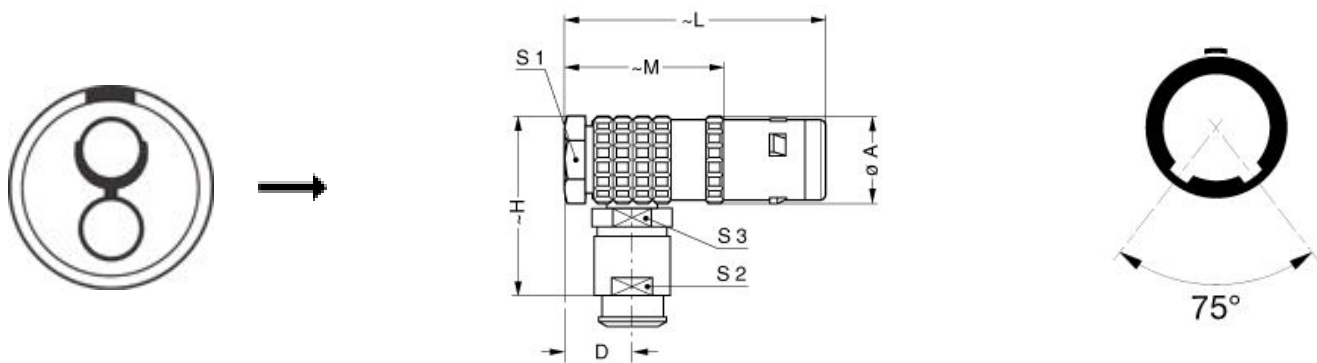
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R (max): 3.3 mOhm
 Vtest (contact-shell): 2700 V (AC), 3820 V (DC)
 Vtest (contact-contact): 2850 V (AC), 4030 V (DC)

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	D	L	M	S1	S2	S3
mm.	17.5	10.5	51	35	15	12	13
in.	0,69	0,41	2,01	1,38	0,59	0,47	0,51


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Tools

Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 12-14-16/8-7-6
Positionner:	DCE.91.202.BVCM
Extractor:	DCC.91.202.5LA
Replacement contact:	EGG.2B.675.ZZM
Spanner wrench:	DCD.2E.020.PA120

Cables

220151	PVC	Grey	
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