

SUMMARY

Wires

Low	7
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



Image is for illustrative purpose only

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Series	1B
Termination type	Female solder
IP rating	68
Cable Ø	0.00 - 0.00 mm
Matching parts	FGG.1B.307.CLAD35
Status	active
Alternative part	

TECHNICAL DETAILS

Mechanics

Shell Style/Model	HM*: Fixed receptacle with grounding tab, nut fixing, watertight or vacuum-tight (back panel mounting)
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Cable Fixing	∅ 0 - 0 mm
Variant	P : Watertight
Weight	12.65 g

Performance

Configuration	1B.307 : 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/3.2, depends on material thickness)
Rated Current	7 Amps

Specifications

Contact Type: Solder

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Max. Matings: 5000
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1050 V (AC), 1490 V (DC)
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

Others

Temp (min / max): -20° C / +80° C
Humidity (max): <=95% [at 60 deg C / 140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Salt Spray Corrosion: >144 hr
Climatical Category: 20/80/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
Pressure: 60 bars
IP Rating: 68

DRAWINGS

Draws



Dimensions

	A	B	E	L	M	P	S1	e
mm.	16	18	5.5	26	3.5	11	10.5	M12x1.0
in.	0,63	0,71	0,22	1,02	0,14	0,43	0,41	

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RECOMMENDED BY LEMO

Tools

None

Cables

CMN.07.S34.027JGC			
CMN.07.T22.055PGCE	PVC	GREY	
CMN.07.T22.055PGZE		Grey	
CMN.07.T22.055PNCE	PVC	Black	
CMN.07.T22.055PNZE			
CMN.07.T26.037QGZE	TPR (medical)	Grey	
CMN.07.T28.044PGCE	PVC	GREY	
CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNCE	PVC	Black	
CMN.07.T28.044PNZE			
007 041	PVC	Grey	
007 050	PVC	Black	
070 140	PVC	Grey	
270 250	PVC	Grey	
717 920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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