

C2101 1007FNO

Specifications

Attribute	Value
General Product Description	
Connector Type	M16 Circular
Gender	Female (Socket)
Number of Positions	7-Pin
Locking Mechanism	Screw-locking thread (M16 x 0.75) according to IEC 61076-2-106 / IEC 60130-9
Termination Style	Solder cup or crimp
Orientation	Straight cable outlet
Electrical Specifications	
Rated Current	5A per contact (at 40°C)
Rated Voltage	100V AC / 300V DC
Rated Impulse Voltage	1200V
Insulation Resistance	$\geq 10^{10}$ Ohm
Contact Resistance	≤ 5 mOhm
Overvoltage Category	I
Mechanical & Environmental Specifications	
Mating Cycles	≥ 500 mating operations
IP Rating	IP67 / IP69K when fully mated and locked (Dust-tight, waterproof up to 1m immersion)
Shielding	Complete 360° EMI/RFI shielding via full-metal backshell
Cable Outlet Compatibility	Accommodates cable diameters from 4.0mm to 6.0mm (or 6.0mm to 8.0mm depending on backshell gland size)
Operating Temperature	-40°C to +100°C
Materials	
Housing/Backshell	Die-cast zinc, nickel-plated
Contact Insert	Thermoplastic (PA 66), UL 94 V-0 flammability rated
Contacts	Copper alloy (brass/bronze) with Silver (Ag) or Gold (Au) plating
Sealing Ring	Neoprene / NBR Rubber