

date 05/09/2024

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SERIES: CDM1246 | DESCRIPTION: M12 CONNECTOR

FEATURES

- M12 male connector
- \cdot D code
- panel mount
- IP67
- 0.5, 1, 2, 3, & 5 meter length options







SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage				60	V
rated current				1.5	А
withstanding voltage	for 1 minute		1,500		Vac
contact resistance				10	mΩ
insulation resistance	at 500 Vdc for 1 minute	100			МΩ
insertion/withdrawal force		0.3		3.0	kgf
operating temperature		-25		80	°C
life		100			cycles
safety approvals	compliant with IEC61076-2-101				
flammability rating	see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				

PART NUMBER KEY

CDM1246 - 04D - MW - F16 - XXX - 67

Base Number

Cable Length: 050 = 0.5 m 100 = 1 m 200 = 2 m

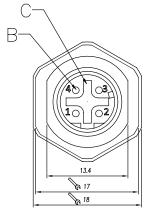
300 = 3 m

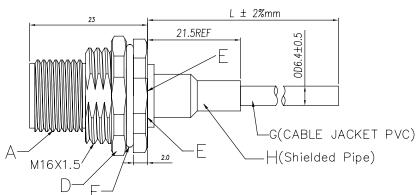
500 = 5 m

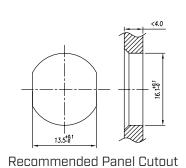
MECHANICAL DRAWING

units: mm tolerance: 0.5<X≤6.0: ±0.1 mm 6.0<X≤30.0: ±0.2 mm unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
Α	M12x1.0 screw	brass	nickel
В	terminals; male	brass	gold
С	housing; male	PA66 (UL94V-0)	black
D	M16x1.5 nut	brass	nickel
Е	resin	black epoxy	black
F	o-ring	FKM	black
G	cable	CAT5 (100 Mbps), UL2464, 26 AWG PVC jacket	
Н	shield pipe	brass	nickel







No. of Poles	4		
D-Coding	10 02		
Cable	26 AWG twisted pair X 2C + AL + Braid OD: Ø6.4 mm		
Wiring	$\begin{array}{c c} & \text{P1} \\ & 1 & \text{Yellow} \\ & 3 & \text{TD+} \\ & 2 & \text{White} \\ & 4 & \text{Blue} \\ & & \text{Shield} & \text{Braid} \end{array}$		

REVISION HISTORY

rev.	description	date
1.0	initial release	05/09/2024

The revision history provided is for informational purposes only and is believed to be accurate.



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