CUI DEVICES

date 12/13/2021

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SERIES: CDM1201 | DESCRIPTION: M12 CONNECTOR

FEATURES

- M12 male connector
- A code
- panel mount
- IP67







SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
	3 & 4 pole models			250	V
rated voltage	5 pole model			60	V
	8 & 12 pole models			30	V
	3, 4, & 5 pole models			4	А
rated current	8 pole model			2	Α
	12 pole model			1.5	Α
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)				
	tray QTY: 30 pcs				
packaging	carton size: 275 x 235 x 335 mm				
	carton QTY: 450 pcs				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	260	280	300	°C

PART NUMBER KEY

CDM1201 - XX A - MP - F16 - 67

Base Number

No. of Poles (A-Coding):

03 = 304 = 4

05 = 5

08 = 8

12 = 12

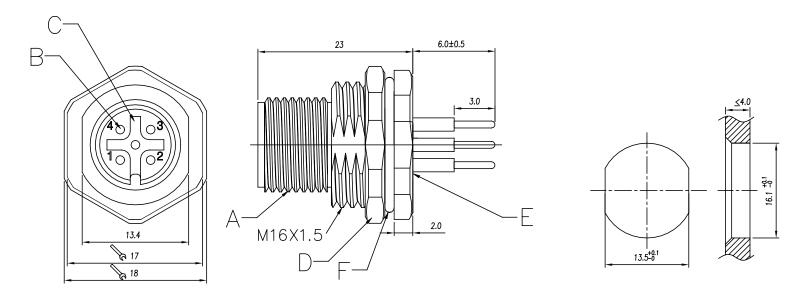
Recommended Panel Cutout

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 DESCRIPT		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	epoxy resin	black
	F	o-ring	FKM	black



No. of Poles	3	4	5	8	12
A-Coding	4 • • 3	4 • • 3 1 • • • 2	4 • • 3 • 5 • • • • 2		
Pin Diameter	1.0 mm	1.0 mm	1.0 mm	0.8 mm	0.6 mm
Recommended PCB Layout Top View	5, 0 4 3 01.233	\$5,0 4 3 61.2x4 \$5,0 0	\$5.0 4 3 01 255 \$5. 0 0 2	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	95.8 80 12 14 0 3 14 15 15 15 15 15 15 15 15 15 15 15 15 15

Additional Resources: Product Page

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REVISION HISTORY

rev.	description	date
1.0	initial release	12/13/2021

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

CUI DEVICES

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