CUI DEVICES

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	A
	12 pole model			1.5	A
withstanding voltage	for 1 minute		1,500		Vac
contact resistance				10	mΩ
insulation resistance at 500 Vdc for 1 minute		100			MΩ
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

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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 = 3

$$03 = 3$$

 $04 = 4$
 $05 = 5$

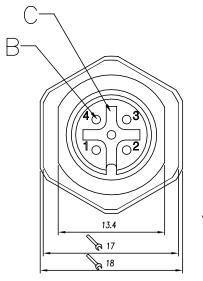
12 = 12

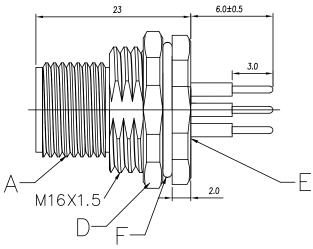
08 = 8

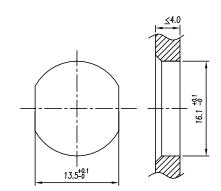
MECHANICAL DRAWING

units: mm tolerance: $0.5 < X \le 6.0$: ± 0.1 mm $6.0 < X \le 30.0$: ± 0.2 mm unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
А	M12x1.0 screw	brass	nickel
В	terminals; male	brass	gold
С	housing; male	PA66 (UL94V-0)	black
D	M16x1.5 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black







Recommended Panel Cutout

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No. of Poles	3	4	5	8	12
A-Coding					
Pin Diameter	1.0 mm	1.0 mm	1.0 mm	0.8 mm	0.6 mm
Recommended PCB Layout Top View	#50 4 3 61213 +	#50 4 3 61204 + 55 0 0 1 2	#50 4 3 01205 +	70 00 000 70 004 10 00 00 000 10 000 100000000	45.8 % C 20 5 45.8 % C 20 5 90 0 10 0 3 10 0 3 10 0 3 10 0 3 10 0 4 10 0 3 10 0 4 10 0 3 10 0 4 10 0 3 10 0 4 10 0 3 10 0 1 10 0 10 10 10 10 0 10 10 10 10 10 10 0 10 10 10 10 10 10 10 10 10 10 10 10

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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

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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