

date 08/05/2022

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SERIES: CDM1222 | DESCRIPTION: M12 CONNECTOR

FEATURES

- M12 female 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	Α
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	ability rating see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				
	box QTY: 25 pcs				
packaging	carton size: 275 x 235 x 335 mm				
	carton QTY: 600 pcs				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	360	380	400	°C

PART NUMBER KEY

CDM1222 - XX A - FW- F16 - 050 - 67

Base Number

No. of Poles (A-Coding):

03 = 3

04 = 4

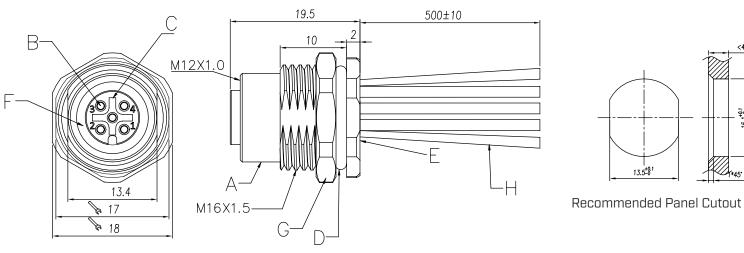
05 = 5 08 = 8

12 = 12

MECHANICAL DRAWING

units: mm tolerance: $0.5<X\le6.0$: ±0.1 mm $6.0<X\le30.0$: ±0.2 mm unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
Α	M12x1.0 screw	brass	nickel
В	terminals; female	brass	gold
С	housing; female	PA66 (UL94V-0)	black
D	o-ring	FKM	black
Е	resin	epoxy resin	black
F	o-ring	FKM	green
G	M16x1.5 nut	brass	nickel
Н	wire	UL 1061 L=508 mm	



No. of Poles	3	4	5	8	12
A-Coding	30 O4 O1	30 04 20 01	30 04 05 20 01		00000000000000000000000000000000000000
Wire Size	22 AWG	22 AWG	22 AWG	24 AWG	26 AWG
Pin #					
1	brown	brown	brown	white	brown
2		white	white	brown	blue
3	blue	blue	blue	green	white
4	black	black	black	yellow	green
5			gray	gray	pink
6				pink	yellow
7				blue	black
8				red	gray
9					red
10					violet
11					gray/pink
12					red/blue

Additional Resources: Product Page | 3D Model

CUI DEVICES | SERIES: CDM1222 | DESCRIPTION: M12 CONNECTOR

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REVISION HISTORY

rev.	description	date
1.0	initial release	12/13/2021
1.01	logo, datasheet style update	08/05/2022

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



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

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