

# SERIES: CDM1227 | 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	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)				
	box QTY: 25 pcs				
packaging	carton size: 275 x 235 x 335 mm				
	carton QTY: 600 pcs				

#### **SOLDERABILITY**

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

### PART NUMBER KEY

# <u>CDM1227</u> - <u>XX</u> A - FW- R9 - 050 - 67

Base Number

No. of Poles (A-Coding):

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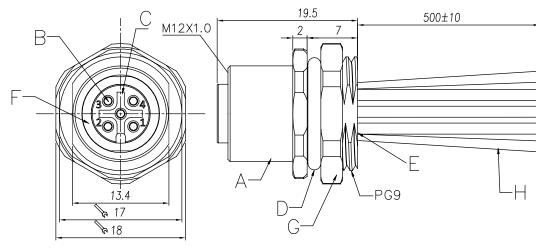
- 03 = 3
- 04 = 4
- 05 = 5 08 = 8

12 = 12

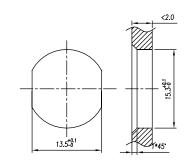
# **MECHANICAL DRAWING**

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
А	M12x1.0 screw	brass	nickel
В	terminals; female	brass	gold
С	housing; female	PA66 (UL94V-0)	black
D	o-ring	FKM	black
E	resin	epoxy resin	black
F	o-ring	FKM	green
G	PG9 nut	brass	nickel
Н	wire	UL 1061 L=508 mm	



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**Recommended Panel Cutout** 

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No. of Poles	З	4	5	8	12
A-Coding		20 01	30 04 05 20 01		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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

#### **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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