SERIES: CDM1221 | DESCRIPTION: M12 CONNECTOR

FEATURES

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



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5 pole model 8 & 12 pole models			250 60 30	V V V
rated current	3, 4, & 5 pole models 8 pole model 12 pole model			4 2 1.5	A A 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)				
packaging	box QTY: 25 pcs 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

CDM1221 - XX A - MW- F9 - 050 - 67

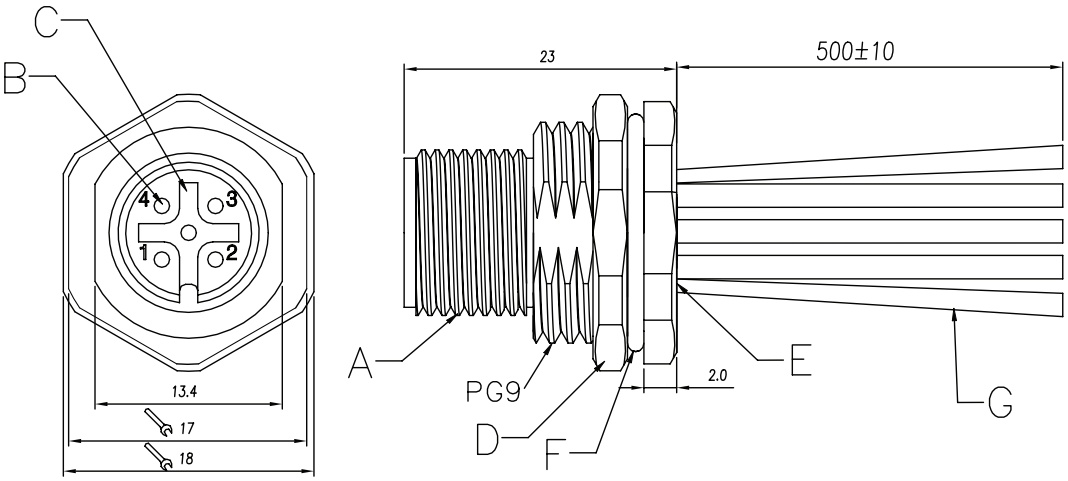
Base Number

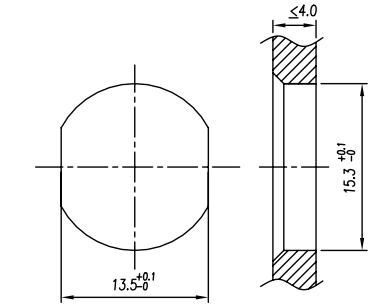
No. of Poles (A-Coding):
03 = 3
04 = 4
05 = 5
08 = 8
12 = 12

MECHANICAL DRAWING

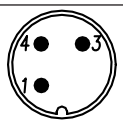
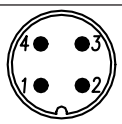
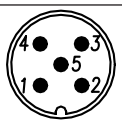
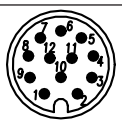
units: mm
tolerance:
0.5<X≤6.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	M12x1.0 screw	brass	nickel
B	terminals; male	brass	gold
C	housing; male	PA66 (UL94V-0)	black
D	PG9 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black
G	wire	UL 1061 L=508 mm	





Recommended Panel Cutout

No. of Poles	3	4	5	8	12
A-Coding					
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.

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