

date 05/09/2024

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SERIES: CDM1216 | DESCRIPTION: M12 CONNECTOR

FEATURES

- M12 female connector
- A & D code versions
- · panel mount
- IP67







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	360	380	400	°C

PART NUMBER KEY

CDM1216 - XXX - FT - R16 - 67

Base Number

No. of Poles

03A = 3 (A-Coding)

04A = 4 (A-Coding)

04D = 4 (D-Coding)

05A = 5 (A-Coding)

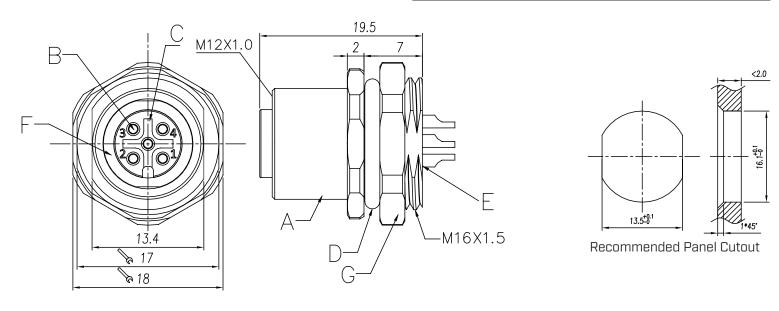
OBA = 8 (A-Coding) 12A = 12 (A-Coding)

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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
	o-ring	FKM	black
Е	resin	epoxy resin	black
F	o-ring	FKM	green
G	M16x1.5 nut	brass	nickel



No. of Poles	3	4	4	5	8	12
Coding	A-Coding	30 04 20 01 A-Coding	go of 20 October 10 Oc	30 04 05 20 01 A-Coding	A-Coding	A-Coding
Wire Size	22 AWG	22 AWG	22 AWG	22 AWG	24 AWG	26 AWG

REVISION HISTORY

rev.	description	date		
1.0	initial release	12/14/2021		
1.01	logo, datasheet style update	08/05/2022		
1.02	added D-Code model	05/09/2024		

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



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