

**date** 08/05/2022

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## SERIES: CDM801 | DESCRIPTION: M8 CONNECTOR

#### **FEATURES**

- · M8 male connector
- A & B code versions
- · panel mount
- IP67







#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5, 6, & 8 pole models			60 30	V V
rated current	3, 4, & 5 pole models 6 & 8 pole models			3 1.5	A A
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		1.5	kgf
operating temperature		-25		80	°C
life		100			cycles
safety approvals	compliant with IEC61076-2-104				
flammability rating	see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				
packaging	tray QTY: 80 pcs per tray carton size: 270 x 215 x 107 mm carton QTY: 1,680 pcs per carton				

### **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	260	280	300	°C

#### PART NUMBER KEY

CDM801 - XXX - MP - F810 - 67

Base Number

No. of Poles:

03A = 3 (A-Coding)

04A = 4 (A-Coding)

05B = 5 (B-Coding)

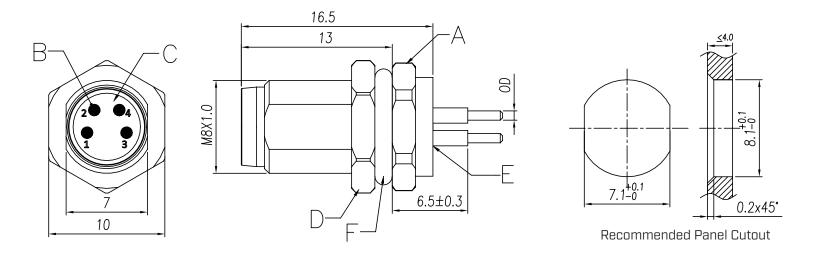
06A = 6 (A-Coding)

08A = 8 (A-Coding)

# **MECHANICAL DRAWING**

units: mm tolerance: 0.5< $\times$ 46.0:  $\pm$ 0.1 mm 6.0< $\times$ 430.0:  $\pm$ 0.2 mm unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
M8x1.0 screw	brass	nickel
terminals; male	brass	gold
housing; male	PA66 (UL94V-0)	black
M8x1.0 nut	brass	nickel
resin	epoxy resin	black
o-ring	FKM	black
	M8x1.0 screw terminals; male housing; male M8x1.0 nut resin	M8x1.0 screw brass terminals; male brass housing; male PA66 (UL94V-0) M8x1.0 nut brass resin epoxy resin



No. of Poles	3	4	5	6	8
Coding	A-Coding	2 • 4 • 3 A-Coding	B-Coding	A-Coding	6.5.4.3 
Pin Diameter	1.0 mm	1.0 mm	1.0 mm	0.7 mm	0.6 mm
Recommended PCB Layout Top View	\$2 1 3 3 3 3 3 3 3	2.15 A 4 1 3 3 5 0 3 4 1 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.4 1.95 3.4 1.95 3.5 5.1 3.4 3.5 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5	3.5 4 3.5 4 6 7 2.73 2.73	60 5 4 038 7 038 10 02 43

#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	07/19/2022	
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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