CUI DEVICES

SERIES: CDM810 | **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			MΩ
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	box QTY: 200 pcs per box carton size: 270 x 215 x 107 mm carton QTY: 600 pcs per carton				

SOLDERABILITY

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

PART NUMBER KEY

CDM810 - XXX - MW - F810 - 050 - 67

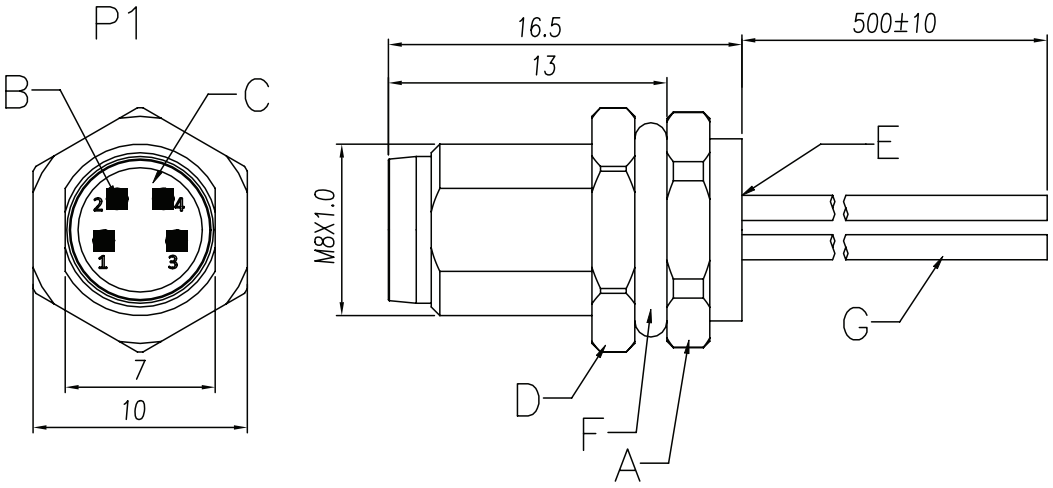
Base Number

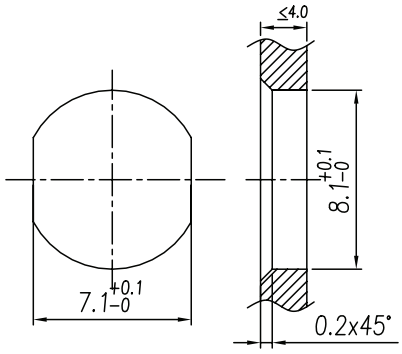
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05B = 5 (B-Coding)
06A = 6 (A-Coding)
08A = 8 (A-Coding)

MECHANICAL DRAWING

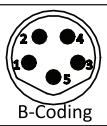
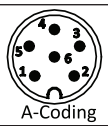
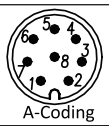
units: mm
tolerance:
0.5<X≤6.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	M8x1.0 screw	brass	nickel
B	terminals; male	brass	gold
C	housing; male	PA66 (UL94V-0)	black
D	M8x1.0 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black
G	wire	UL 1061 L=505 mm	





Recommended Panel Cutout

No. of Poles	3	4	5	6	8
A-Coding	 A-Coding	 A-Coding	 B-Coding	 A-Coding	 A-Coding
Wire Size	24 AWG	24 AWG	24 AWG	26 AWG	26 AWG
Pin #					
1	brown	brown	brown	brown	white
2	---	white	white	white	brown
3	blue	blue	blue	blue	green
4	black	black	black	black	yellow
5	---	---	gray	gray	gray
6	---	---	---	pink	pink
7	---	---	---		blue
8	---	---	---		red

REVISION HISTORY

rev.	description	date
1.0	initial release	07/20/2022

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

CUI DEVICES

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

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