CUI Devices is now Same Sky! Learn More

SERIES: CDM813 | DESCRIPTION: M8 CONNECTOR

FEATURES

- M8 female 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	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	360	380	400	°C

PART NUMBER KEY

CDM813 - XXX - FT - F010 - 67

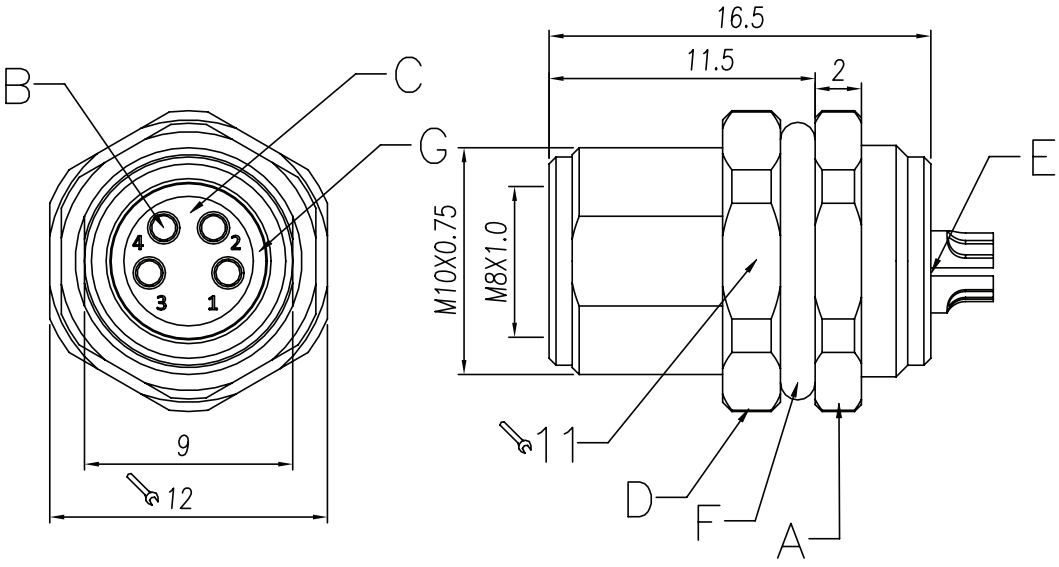
Base Number

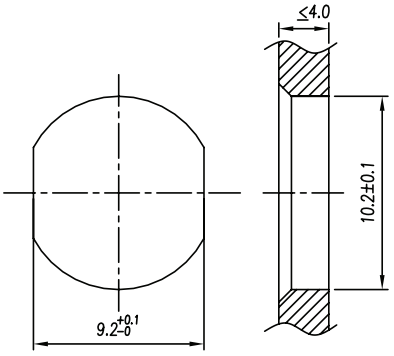
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05B = 5 (B-Coding)
06A = 6 (A-Coding)
08A = 8 (A-Coding)

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 M10x0.75 screw	brass	nickel
B	terminals; female	brass	gold
C	housing; female	PA66 (UL94V-0)	black
D	M10x0.75 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black
G	o-ring	FKM	orange





Recommended Panel Cutout

No. of Poles	3	4	5	6	8
Coding	 A-Coding	 A-Coding	 B-Coding	 A-Coding	 A-Coding
Wire Size	24 AWG	24 AWG	24 AWG	26 AWG	26 AWG

REVISION HISTORY

rev.	description	date
1.0	initial release	07/19/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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

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

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.