

SERIES: CDM807 | 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, 6 5 pole models 6 8 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	ability 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

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CDM807 - XXX - FW - R805 - 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)

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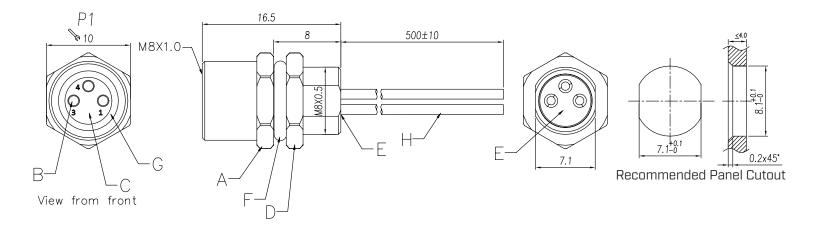
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MECHANICAL DRAWING

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
А	M8x1.0 screw	brass	nickel
В	terminals; female	brass	gold
С	housing; female	PA66 (UL94V-0)	black
D	M8x0.5 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black
G	o-ring	FKM	orange
Н	wire	UL 1061 L=505 mm	

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No. of Poles	3	4	5	6	8
A-Coding	A-Coding	A-Coding	B-Coding	A-Coding	$ \begin{array}{c} 40 & 50 & 6 \\ \rho & 0 & 8 & 0 \\ 20 & 0 & 1 \\ A-Coding \end{array} $
Wire Size	24 AWG	24 AWG	24 AWG	26 AWG	26 AWG
Pin #					
1	brown	brown	brown	brown	white
2		white	white	white	brown
З	blue	blue	blue	blue	green
4	black	black	black	black	yellow
5			gray	gray	gray
6				pink	pink
7					blue
8					red

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REVISION HISTORY

rev.	description	date	
1.0	initial release	07/20/2022	
1.01	logo, datasheet style update	08/05/2022	

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

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



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