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SERIES: CDM1205 | DESCRIPTION: M12 CONNECTOR

FEATURES

- M12 male connector
- A & D code versions
- panel mount
- IP67



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5 pole model 8 & 12 pole models			250 60 30	V V V
rated current	3, 4, & 5 pole models 8 pole model 12 pole model			4 2 1.5	A 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		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)				
packaging	tray QTY: 30 pcs 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	260	280	300	°C

PART NUMBER KEY

CDM1205 - XXX - MP - R16 - 67

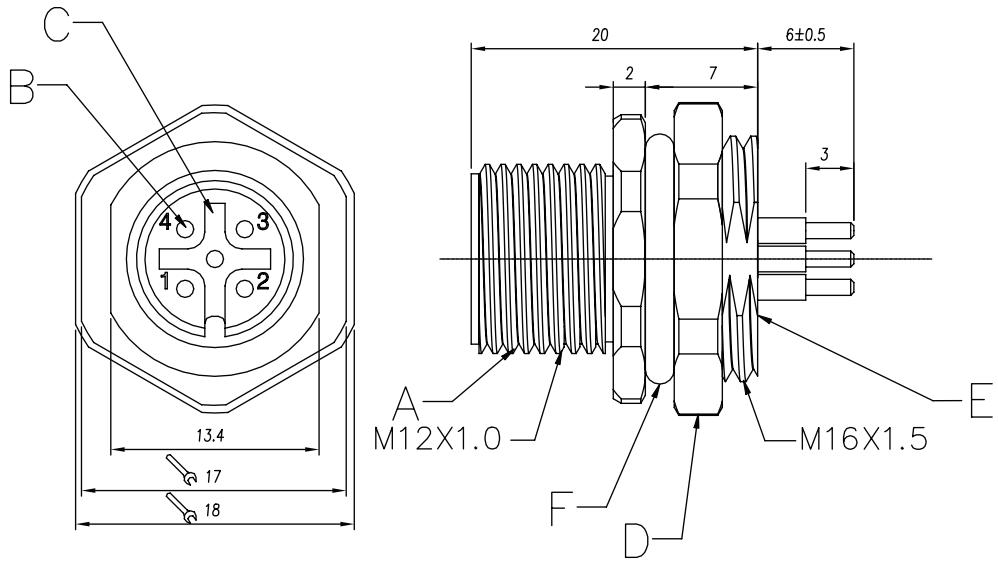
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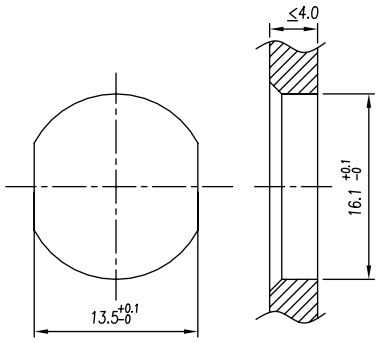
No. of Poles
03A = 3 (A-Coding)
04A = 4 (A-Coding)
04D = 4 (D-Coding)
05A = 5 (A-Coding)
08A = 8 (A-Coding)
12A = 12 (A-Coding)

MECHANICAL DRAWING

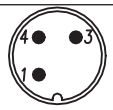
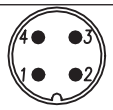
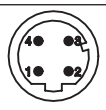
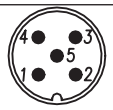
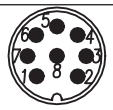
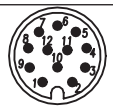
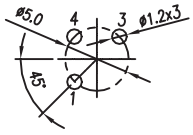
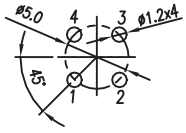
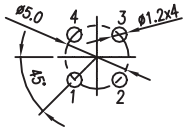
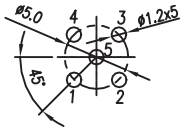
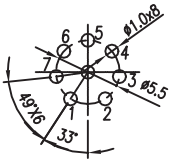
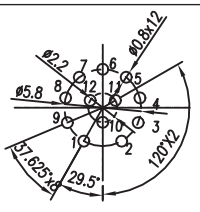
units: mm
tolerance:
0.5<X≤6.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	M12x1.0 screw	brass	nickel
B	terminals; male	brass	gold
C	housing; male	PA66 (UL94V-0)	black
D	M16x1.5 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black





Recommended Panel Cutout

No. of Poles	3	4	4	5	8	12
Coding	 A-Coding	 A-Coding	 D-Coding	 A-Coding	 A-Coding	 A-Coding
Pin Diameter	1.0 mm	1.0 mm	1.0 mm	1.0 mm	0.8 mm	0.6 mm
Recommended PCB Layout Top View						

REVISION HISTORY

rev.	description	date
1.0	initial release	12/13/2021
1.01	logo, datasheet style update	08/05/2022
1.02	added D-Code model	05/09/2024
1.03	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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