CUI Devices is now Same Sky! Learn More

SERIES: CDM1230 | DESCRIPTION: M12 CABLE

FEATURES

- M12 molded male cable connector
- A code
- right-angle
- IP67
- 1, 2, & 3 meter length options



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)				

PART NUMBER KEY

CDM1230 - XX A - 01MRA - XX - 67

Base Number

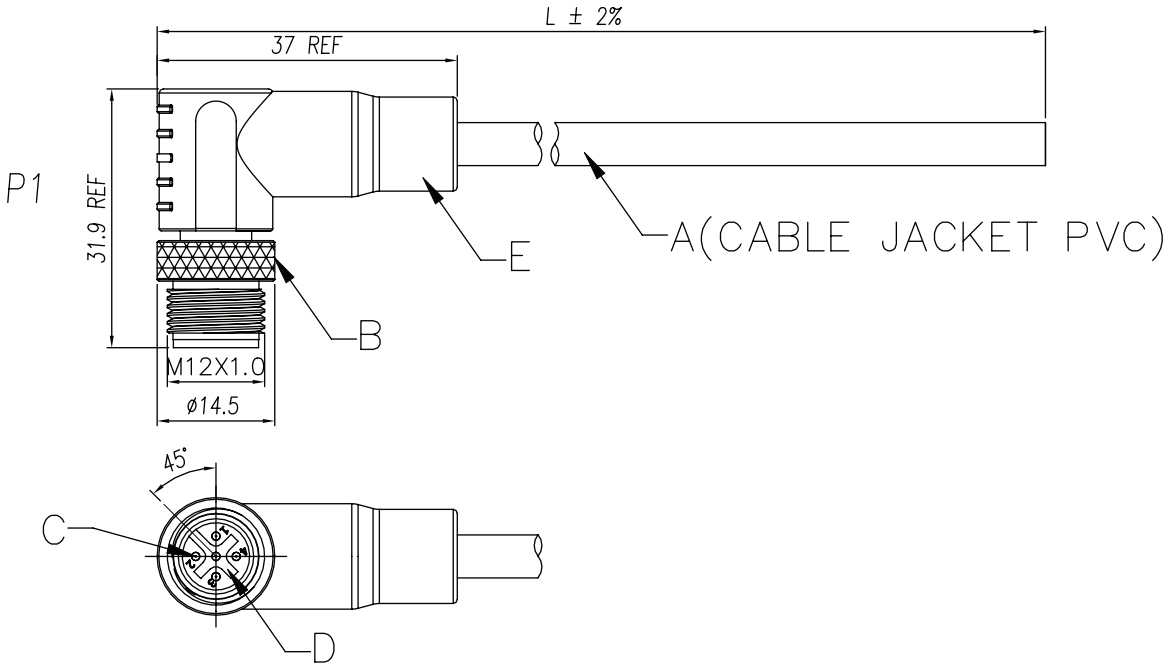
No. of Poles (A-Coding):
03 = 3
04 = 4
05 = 5
08 = 8
12 = 12

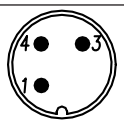
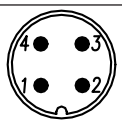
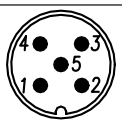
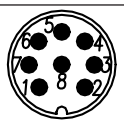
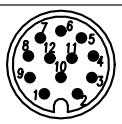
Cable Length:
1M = 1 m
2M = 2 m
3M = 3 m

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	cable	UL 2464 PVC	black
B	M12x1.0 nut	brass	nickel
C	terminals; male	brass	gold
D	housing; male	PA66 (UL94V-0)	black
E	overmold	TPU (UL94HB)	black



No. of Poles		3	4	5	8	12
A-Coding						
Pin#	Cable	22 AWG X 3C OD: Ø4.5 mm	22 AWG X 4C OD: Ø5.0 mm	22 AWG X 5C OD: Ø5.5 mm	24 AWG X 8C OD: Ø5.5 mm	26 AWG X 12C OD: Ø6.2 mm
1		brown	brown	brown	white	brown
2		---	white	white	brown	blue
3		blue	blue	blue	green	white
4		black	black	black	yellow	green
5		---	---	gray	gray	pink
6		---	---	---	pink	yellow
7		---	---	---	blue	black
8		---	---	---	red	gray
9		---	---	---	---	red
10		---	---	---	---	violet
11		---	---	---	---	gray/pink
12		---	---	---	---	red/blue

REVISION HISTORY

rev.	description	date
1.0	initial release	04/12/2022
1.01	logo, datasheet style update	08/05/2022
1.02	updated datasheet	05/03/2023
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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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.