

**SERIES:** CPM1207 | **DESCRIPTION:** M12 FIELD ASSEMBLY CONNECTOR**FEATURES**

- M12 female connector
- A & B code versions
- right angle
- zinc alloy body
- shielded
- solder termination
- IP67

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	2, 3, & 4 pole models			250	V
	5 pole models			60	V
	8, 12 & 17 pole models			30	V
rated current	2, 3, 4, & 5 pole models			4	A
	8 pole model			2	A
	12 & 17 pole models			1.5	A
withstanding voltage	for 1 minute,				
	2, 3, & 4 pole models		2,500		Vac
	5 pole models		1,500		Vac
	8, 12 & 17 pole models		800		Vac
contact resistance				5	mΩ
insulation resistance	at 500 Vdc for 1 minute	100			MΩ
insertion force	2, 3, 4 & 5 pole models			1.0	kgf
	8 & 12 pole models			2.3	kgf
	17 pole model			3.0	kgf
withdrawal force	2, 3, 4 & 5 pole models			1.5	kgf
	8, 12 & 17 pole models			3.0	kgf
operating temperature		-25		80	°C
life		500			cycles
flammability rating	see material table				
RoHS	yes				
IP level	IP67 [in mated condition]				

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for 1~3 seconds	430		450	°C

**PART NUMBER KEY**

**CPM1207 - XXX - 02 - FRA - M9 - 67**

Base Number

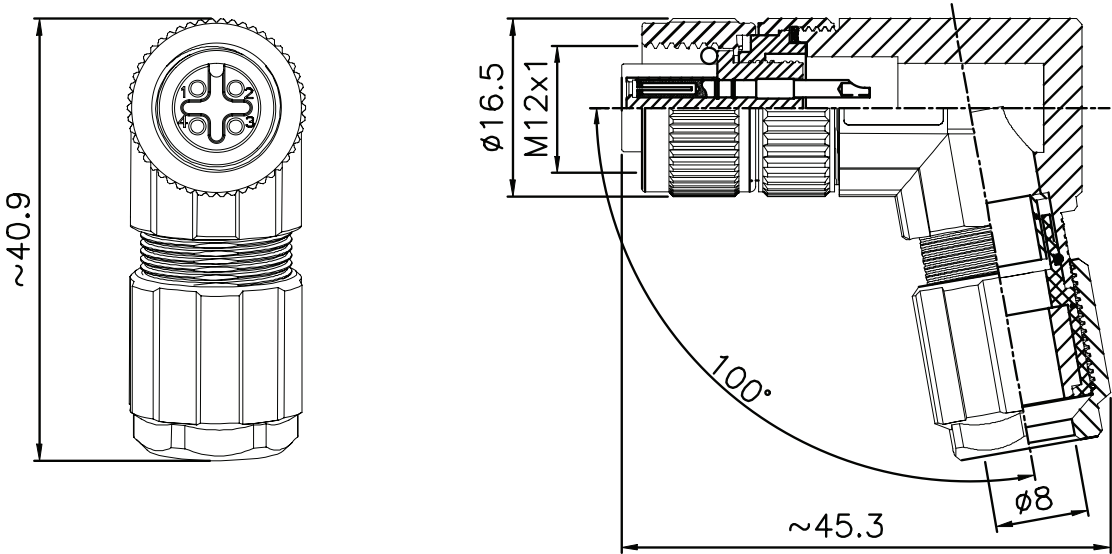
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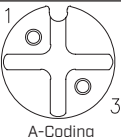
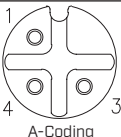
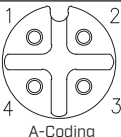
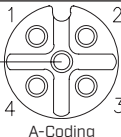
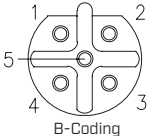
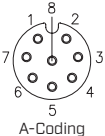
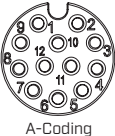
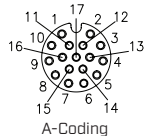
02A = 2 [A-Coding]    05B = 5 [B-Coding]  
03A = 3 [A-Coding]    08A = 8 [A-Coding]  
04A = 4 [A-Coding]    12A = 12 [A-Coding]  
05A = 5 [A-Coding]    17A = 17 [A-Coding]

MECHANICAL DRAWING

units: mm  
tolerance:  
0.5<X≤8.0: ±0.20 mm  
8.0<X≤30.0: ±0.25 mm  
30.0<X≤120.0: ±0.30 mm  
unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	zinc alloy	nickel
terminals; female	brass	gold
housing; female	PA66 [UL94V-0]	black
nut	zinc alloy	nickel
o-ring	NBR	black



No. of Poles	2	3	4	5
Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding
Wire Size	22 AWG	22 AWG	22 AWG	22 AWG
Suitable Cable	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm
No. of Poles	5	8	12	17
Coding	 B-Coding	 A-Coding	 A-Coding	 A-Coding
Wire Size	22 AWG	24 AWG	26 AWG	26 AWG
Suitable Cable	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	08/13/2025

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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