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SERIES: CPM1207 | DESCRIPTION: M12 FIELD ASSEMBLY CONNECTOR

FEATURES

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

RoHS IP67

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	2, 3, & 4 pole models 5 pole models 8, 12 & 17 pole models			250 60 30	V V V
rated current	2, 3, 4, & 5 pole models 8 pole model 12 & 17 pole models			4 2 1.5	A A A
withstanding voltage	for 1 minute, 2, 3, & 4 pole models 5 pole models 8 , 12 & 17 pole models		 2,500 1,500 800		 Vac Vac Vac
contact resistance				5	mΩ
insulation resistance	at 500 Vdc for 1 minute	100			MΩ
insertion force	2, 3, 4 & 5 pole models 8 & 12 pole models 17 pole model			1.0 2.3 3.0	kgf kgf kgf
withdrawal force	2, 3, 4 & 5 pole models 8, 12 & 17 pole models			1.5 3.0	kgf 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

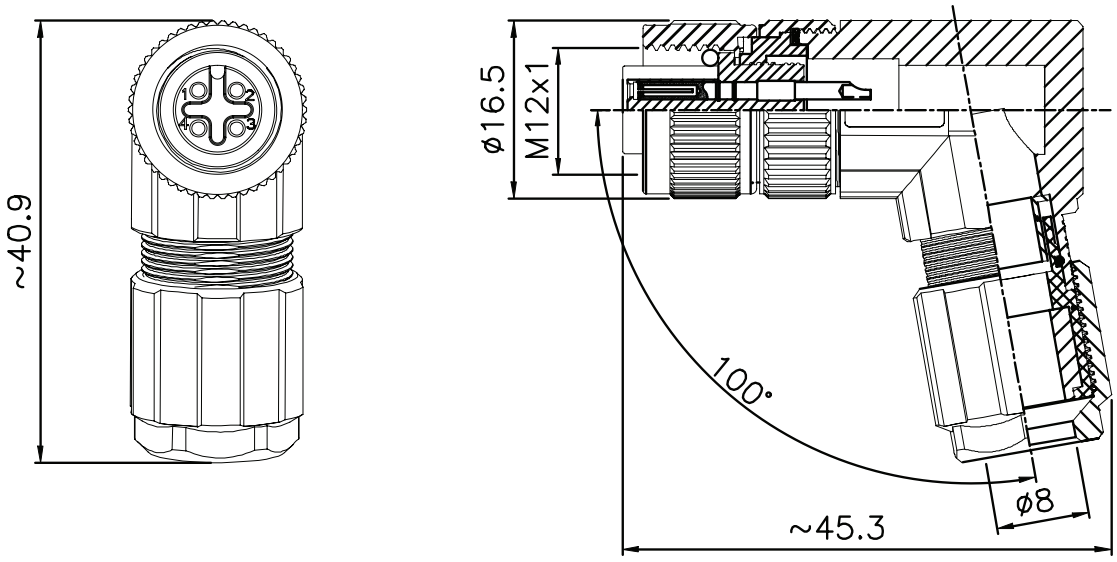
Base Number

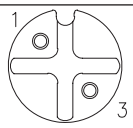
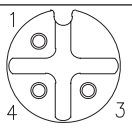
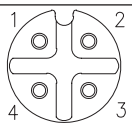
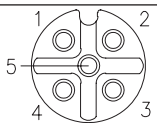
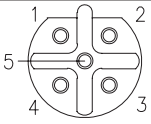
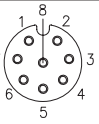
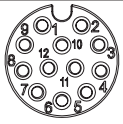
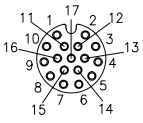
No. of Poles:
02A = 2 (A-Coding)
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05A = 5 (A-Coding)
05B = 5 (B-Coding)
08A = 8 (A-Coding)
12A = 12 (A-Coding)
17A = 17 (A-Coding)

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.

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

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