

**SERIES:** CPM1213 | **DESCRIPTION:** M12 FIELD ASSEMBLY CONNECTOR**FEATURES**

- M12 female connector
- A & B code versions
- straight
- PA66+GF Body
- unshielded
- 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
	6, 8, 12 & 17 pole models			30	V
rated current	2, 3, 4, & 5 pole models			4	A
	6 & 8 pole models			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
	6, 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
	6, 8 & 12 pole models			2.3	kgf
	17 pole model			3.0	kgf
withdrawal force	2, 3, 4, 5 & 6 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**CPM1213 - XXX - 01 - FST - P7 - 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]

06A = 6 [A-Coding]

08A = 8 [A-Coding]

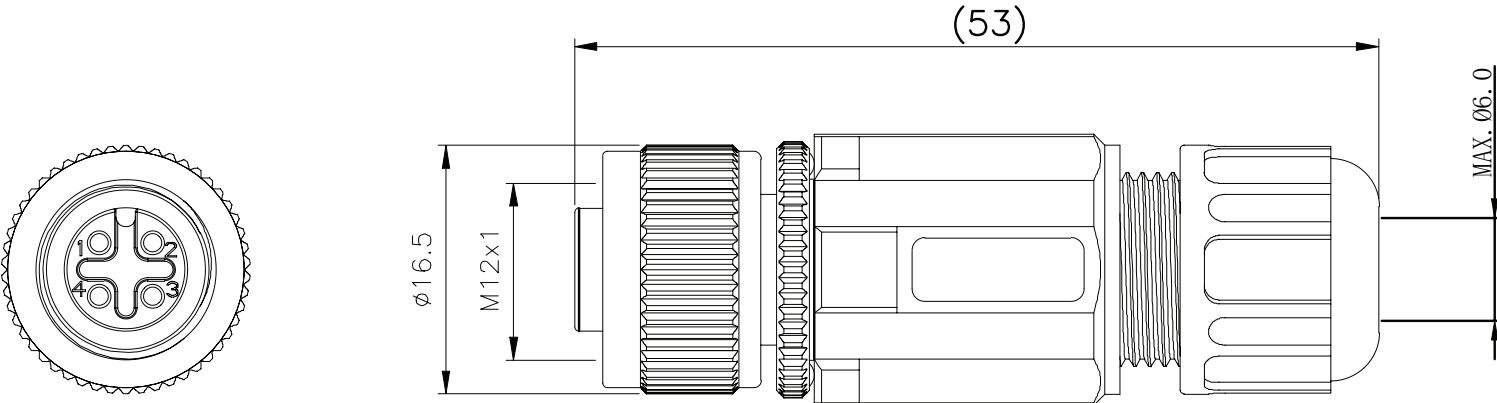
12A = 12 [A-Coding]

17A = 17 [A-Coding]

MECHANICAL DRAWING

units: mm
tolerance:
0.5<X≤8.0: ±0.10 mm
8.0<X≤30.0: ±0.15 mm
30.0<X≤120.0: ±0.20 mm
unless otherwise noted

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



No. of Poles	2	3	4	5	5
Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding	 B-Coding
Wire Size	22 AWG	22 AWG	22 AWG	22 AWG	22 AWG
Suitable Cable	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm

No. of Poles	6	8	12	17
Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding
Wire Size	24 AWG	24 AWG	26 AWG	26 AWG
Suitable Cable	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm	OD: $\phi 4\sim 6$ mm

REVISION HISTORY

rev.	description	date
1.0	initial release	08/12/2025

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



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