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SERIES: CPM810 | DESCRIPTION: M8 FIELD ASSEMBLY CONNECTOR

FEATURES

- M8 female connector
- A, B & D code versions
- straight
- free hanging
- solder terminal

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5, 6, & 8 pole models			60 30	V V
rated current	3, 4A, & 5B pole models 4D pole model 6 & 8 pole models			3 4 1.5	A A A
withstanding voltage	3 & 4 pole models 5, 6, & 8 pole models		1,500 800		Vac Vac
contact resistance				5	mΩ
insulation resistance	at 500 Vdc for 1 minute	100			MΩ
operating temperature		-40		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

CPM810 - XXX - FST - M5 - 67

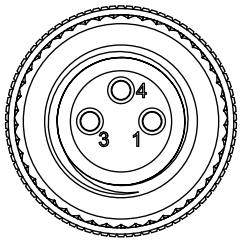
Base Number

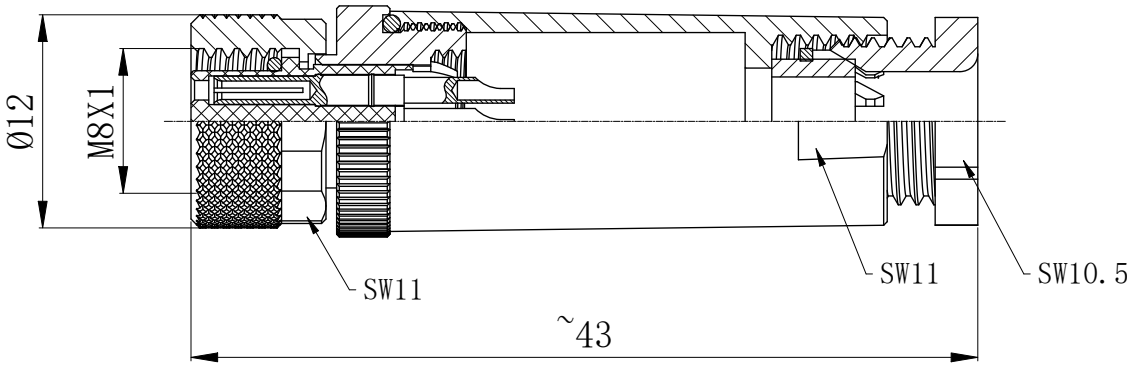
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
04D = 4 (D-Coding)
05B = 5 (B-Coding)
06A = 6 (A-Coding)
08A = 8 (A-Coding)

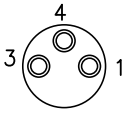
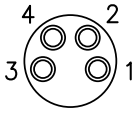
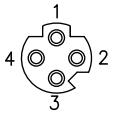
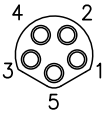
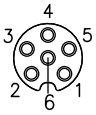
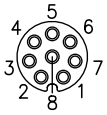
MECHANICAL DRAWING

units: mm
tolerance:
≤10.0: ±0.1 mm
10.0<X≤20.0: ±0.20 mm
20.0<X≤50.0: ±0.50 mm
unless otherwise noted

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





No. of Poles	3	4	4	5	6	8
Coding	 A-Coding	 A-Coding	 D-Coding	 B-Coding	 A-Coding	 A-Coding
Wire Size	18 AWG	18 AWG	18 AWG	18 AWG	18 AWG	18 AWG
Suitable Cable	OD: Ø3.5~5 mm	OD: Ø3.5~5 mm	OD: Ø3.5~5 mm	OD: Ø3.5~5 mm	OD: Ø3.5~5 mm	OD: Ø3.5~5 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	10/23/2026

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

same sky

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