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SERIES: CPM1212 | DESCRIPTION: M12 FIELD ASSEMBLY CONNECTOR

FEATURES

- M12 male connector
- A code versions
- right angle
- PA66+GF body
- unshielded
- screw termination
- IP67

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	2, 3, & 4 pole models 5 pole model 8 pole model			250 60 30	V V V
rated current	2, 3, 4, & 5 pole models 8 pole model			4 2	A A
withstanding voltage	for 1 minute: 2, 3, & 4 pole models 5 pole model 8 pole model		 2,500 1,500 800		 Vac 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)				

PART NUMBER KEY

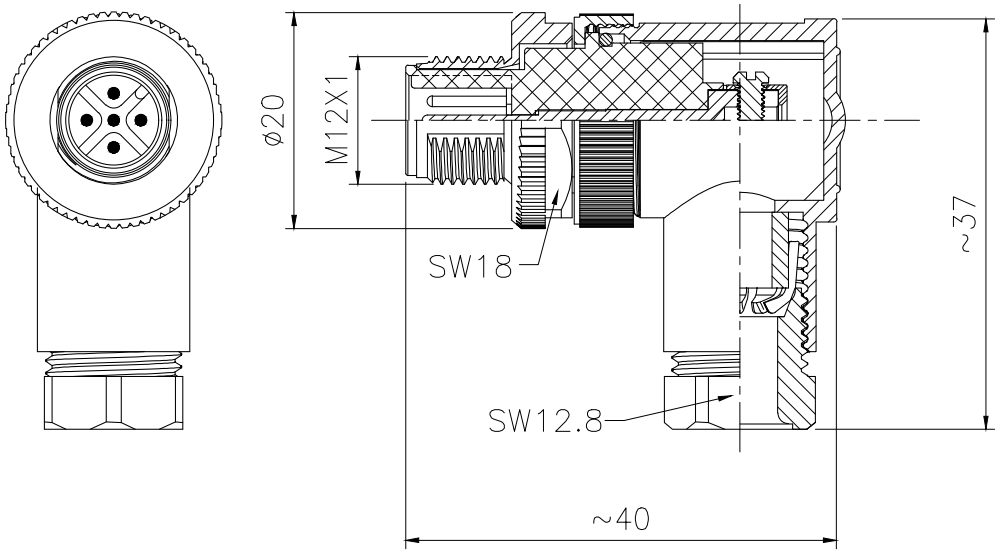
CPM1212 - XXX - 01 - MRA - P X - 67

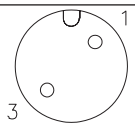
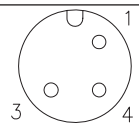
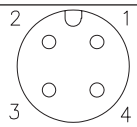
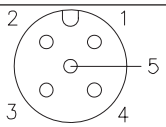
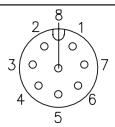
- CPM1212 — Base Number
- XXX — No. of Poles:
  - 02A = 2 (A-Coding)
  - 03A = 3 (A-Coding)
  - 04A = 4 (A-Coding)
  - 05A = 5 (A-Coding)
  - 08A = 8 (A-Coding)
- X — Cable Gland Thread:
  - 7 = PG7
  - 9 = PG9

MECHANICAL DRAWING (PG7 MODELS)

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; male	brass	gold
housing; male	PA66 (UL94V-0)	black
nut	zinc alloy	nickel
o-ring	NBR	black



No. of Poles	2	3	4	5	8
Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding
Wire Size	22 AWG	22 AWG	22 AWG	22 AWG	24 AWG
Suitable Cable	OD: Ø4~6 mm	OD: Ø4~6 mm	OD: Ø4~6 mm	OD: Ø4~6 mm	OD: Ø4~6 mm

MECHANICAL DRAWING (PG9 MODELS)

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
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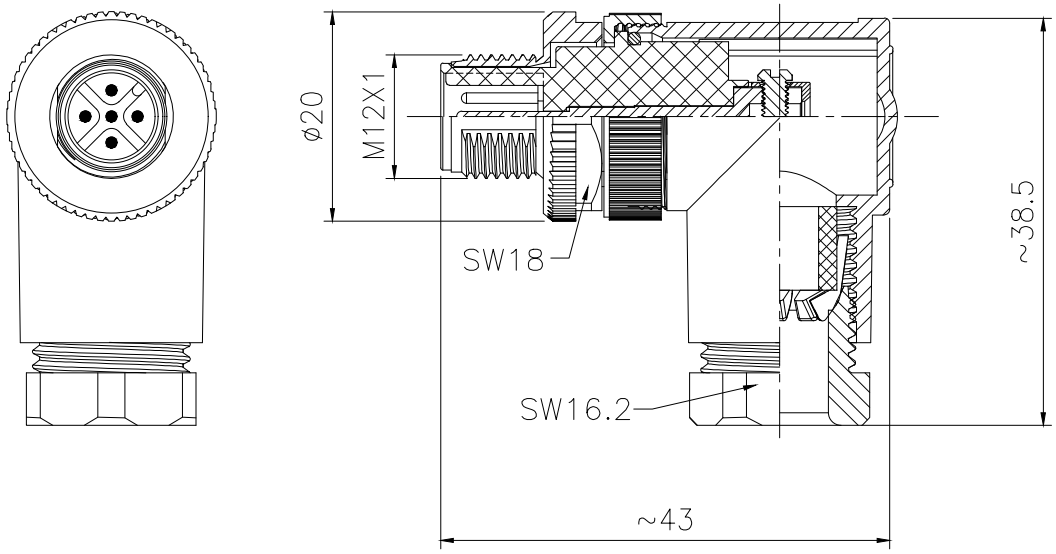

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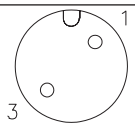
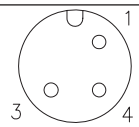
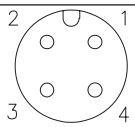
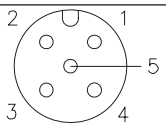
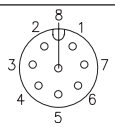
Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding	 A-Coding
Wire Size	22 AWG	22 AWG	22 AWG	22 AWG	24 AWG
Suitable Cable	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm	OD: Ø6~8 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	08/12/2025
1.01	factory location change	06/17/2026

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

same sky

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

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