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# SERIES: CPM1209 | DESCRIPTION: M12 FIELD ASSEMBLY CONNECTOR

## FEATURES

- M12 female connector
- A code versions
- straight
- PA66+GF body
- unshielded
- screw termination
- IP67



RoHS IP67

## SPECIFICATIONS

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

**CPM1209 - XXX - 01 - FST - P X - 67**

Base Number

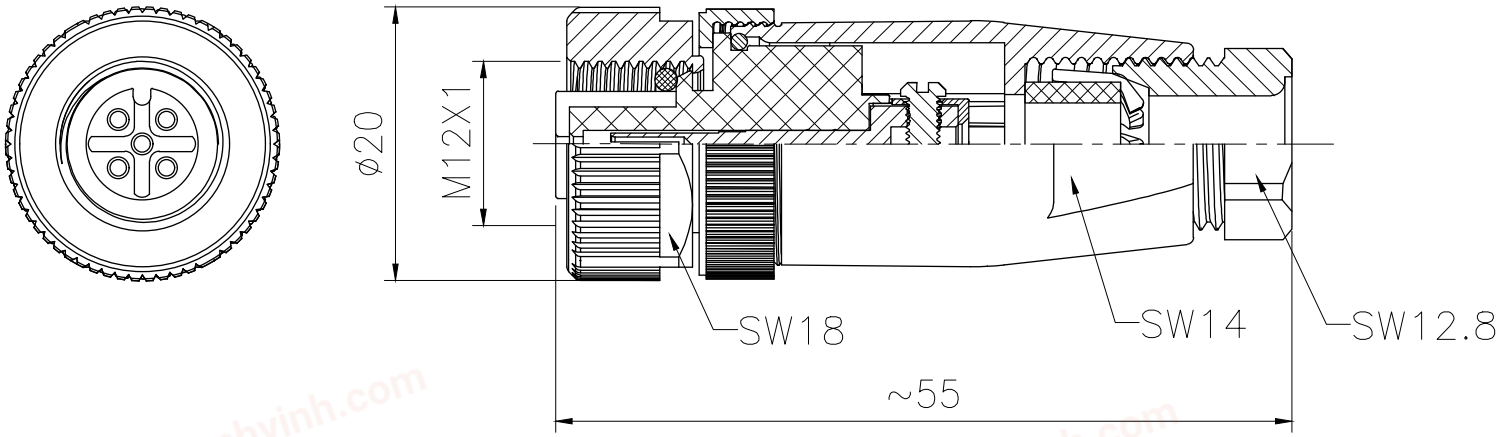
No. of Poles:
02A = 2 (A-Coding)
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05A = 5 (A-Coding)
08A = 8 (A-Coding)

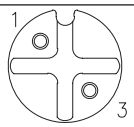
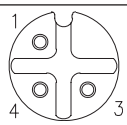
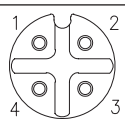
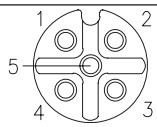
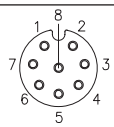
Cable Gland Thread:
7 = PG7
9 = PG9

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

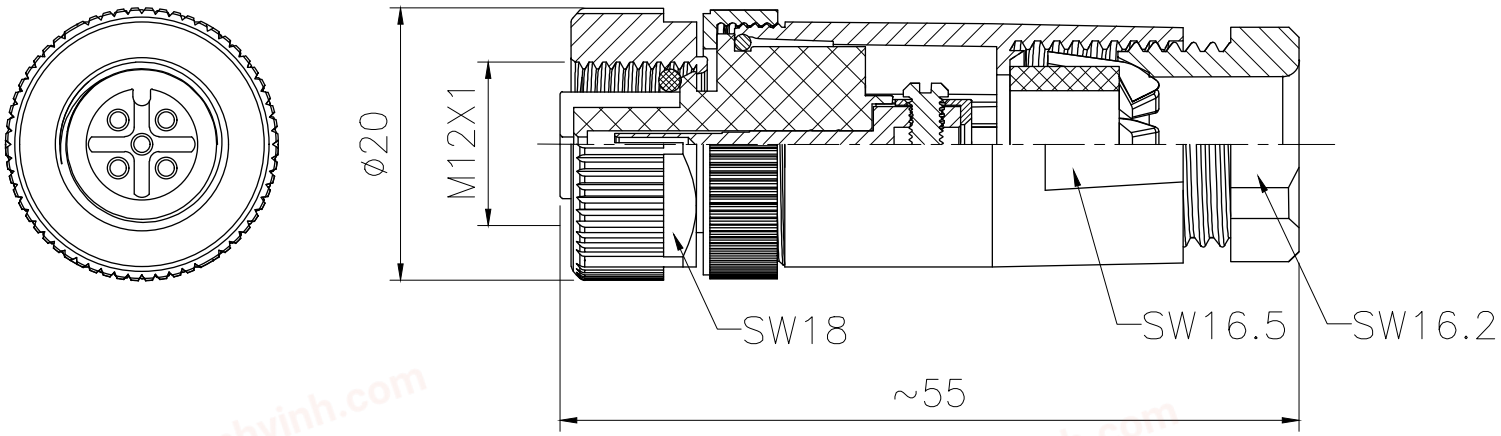


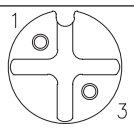
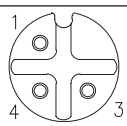
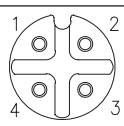
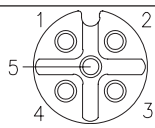
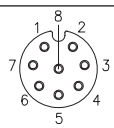

| No. of Poles | 2 | 3 | 4 | 5 | 8 |
|---|---|---|---|---|---|
| Coding |  A-Coding |  A-Coding |  A-Coding |  A-Coding |  A-Coding |
| Wire Size | 22 AWG | 22 AWG | 22 AWG | 22 AWG | 24 AWG |
| Suitable Cable | OD: Ø4~6 mm | OD: Ø4~6 mm | OD: Ø4~6 mm | OD: Ø4~6 mm | OD: Ø4~6 mm |

## 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 |
|---|---|---|
| housing | PA66 (UL94V-0) | black |
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| housing; female | 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: Ø6~8 mm | OD: Ø6~8 mm | OD: Ø6~8 mm | OD: Ø6~8 mm | OD: Ø6~8 mm |

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

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