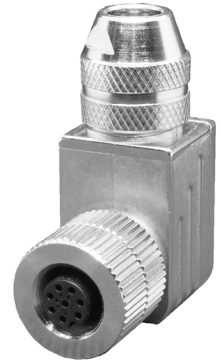


**SERIES:** CPM1203 | **DESCRIPTION:** M12 FIELD ASSEMBLY CONNECTOR**FEATURES**

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

**SPECIFICATIONS**

| parameter             | conditions/description    | min | typ   | max | units  |
|-----------------------|---------------------------|-----|-------|-----|--------|
| rated voltage         | 2, 3, & 4 pole models     |     |       | 250 | V      |
|                       | 5 pole models             |     |       | 60  | V      |
|                       | 8 pole model              |     |       | 30  | V      |
| rated current         | 2, 3, 4, & 5 pole models  |     |       | 4   | A      |
|                       | 8 pole model              |     |       | 2   | A      |
| withstanding voltage  | for 1 minute,             |     |       |     |        |
|                       | 2, 3, & 4 pole models     |     | 2,500 |     | Vac    |
|                       | 5 pole models             |     | 1,500 |     | Vac    |
|                       | 8 pole model              |     | 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    |
|                       | 8 pole models             |     |       | 2.3 | kgf    |
| withdrawal force      | 2, 3, 4 & 5 pole models   |     |       | 1.5 | kgf    |
|                       | 8 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) |     |       |     |        |

**PART NUMBER KEY****CPM1203 - XXX - 02 - FRA - M X - 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)

Cable Gland Thread:

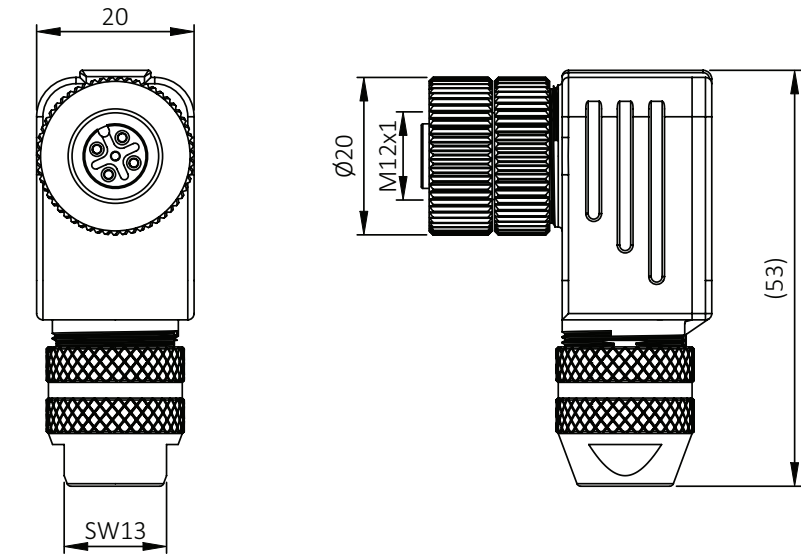
7 = PG7

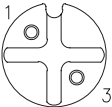
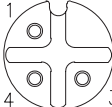
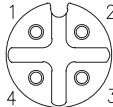
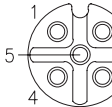
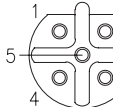
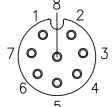
9 = PG9

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 | copper alloy   | gold          |
| housing; female   | PA66 [UL94V-0] | black         |
| nut               | zinc alloy     | nickel        |
| o-ring            | NBR            | black         |



| No. of Poles         | 2                                                                                               | 3                                                                                               | 4                                                                                               | 5                                                                                                | 5                                                                                                 | 8                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Coding               | <br>A-Coding | <br>A-Coding | <br>A-Coding | <br>A-Coding | <br>B-Coding | <br>A-Coding |
| Wire Size            | 22 AWG                                                                                          | 22 AWG                                                                                          | 22 AWG                                                                                          | 22 AWG                                                                                           | 22 AWG                                                                                            | 24 AWG                                                                                            |
| Suitable Cable [PG7] | OD: Ø4~6 mm                                                                                     | OD: Ø4~6 mm                                                                                     | OD: Ø4~6 mm                                                                                     | OD: Ø4~6 mm                                                                                      | OD: Ø4~6 mm                                                                                       | OD: Ø4~6 mm                                                                                       |
| Suitable Cable [PG9] | OD: Ø6~8 mm                                                                                     | 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 |

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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

**sameskydevices.com**