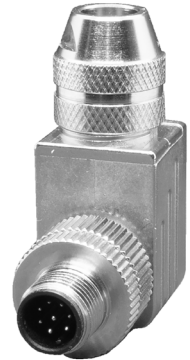


**SERIES:** CPM1204 | **DESCRIPTION:** M12 FIELD ASSEMBLY CONNECTOR**FEATURES**

- M12 male 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     |
| operating temperature |                           | -20 |       | 80  | °C     |
| life                  |                           | 500 |       |     | cycles |
| flammability rating   | see material table        |     |       |     |        |
| RoHS                  | yes                       |     |       |     |        |
| IP level              | IP67 [in mated condition] |     |       |     |        |

**PART NUMBER KEY****CPM1204 - XXX - 02 - MRA - 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:

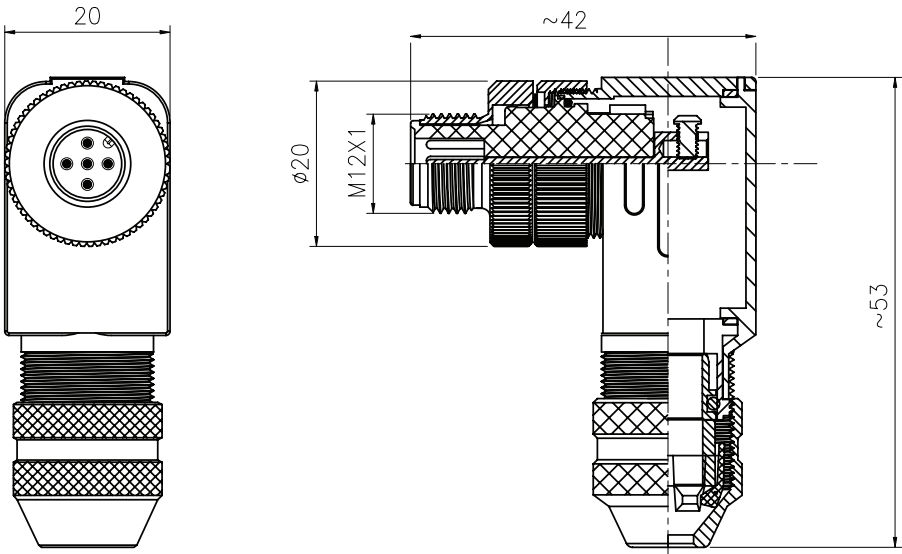
7 = PG7

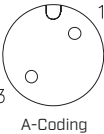
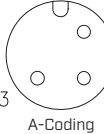
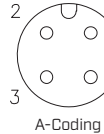
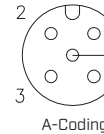
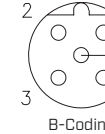
9 = PG9

MECHANICAL DRAWING (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         | zinc alloy     | nickel        |
| terminals; male | brass          | gold          |
| housing; male   | PA66 [UL94V-0] | black         |
| nut             | zinc alloy     | nickel        |
| o-ring          | NBR            | black         |

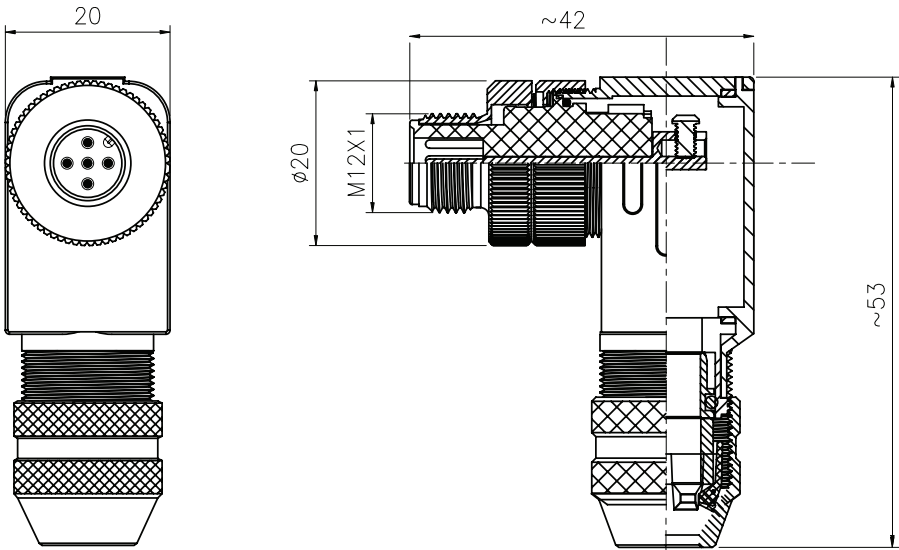


| No. of Poles   | 2                                                                                               | 3                                                                                               | 4                                                                                               | 5                                                                                                | 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 | OD: Ø4~6 mm                                                                                     | 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         | zinc alloy     | nickel        |
| 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           | 5           | 8           |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Coding         |             |             |             |             |             |             |
| Wire Size      | 22 AWG      | 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 | OD: Ø6~8 mm |

REVISION HISTORY

| rev. | description             | date       |
|------|-------------------------|------------|
| 1.0  | initial release         | 08/11/2025 |
| 1.01 | factory location change | 07/01/2026 |

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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