

**SERIES:** CPM1208 | **DESCRIPTION:** M12 FIELD ASSEMBLY CONNECTOR**FEATURES**

- M12 male connector
- A & B code versions
- right angle
- zinc alloy body
- shielded
- solder 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, 12 & 17 pole models    |     |       | 30  | V      |
| rated current         | 2, 3, 4, & 5 pole models  |     |       | 4   | A      |
|                       | 8 pole model              |     |       | 2   | A      |
|                       | 12 & 17 pole models       |     |       | 1.5 | A      |
| withstanding voltage  | for 1 minute,             |     |       |     |        |
|                       | 2, 3, & 4 pole models     |     | 2,500 |     | Vac    |
|                       | 5 pole models             |     | 1,500 |     | Vac    |
|                       | 8, 12 & 17 pole models    |     | 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 & 12 pole models        |     |       | 2.3 | kgf    |
|                       | 17 pole model             |     |       | 3.0 | kgf    |
| withdrawal force      | 2, 3, 4 & 5 pole models   |     |       | 1.5 | kgf    |
|                       | 8, 12 & 17 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] |     |       |     |        |

**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 1~3 seconds        | 430 |     | 450 | °C    |

**PART NUMBER KEY****CPM1208 - XXX - 02 - MRA - M9 - 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]

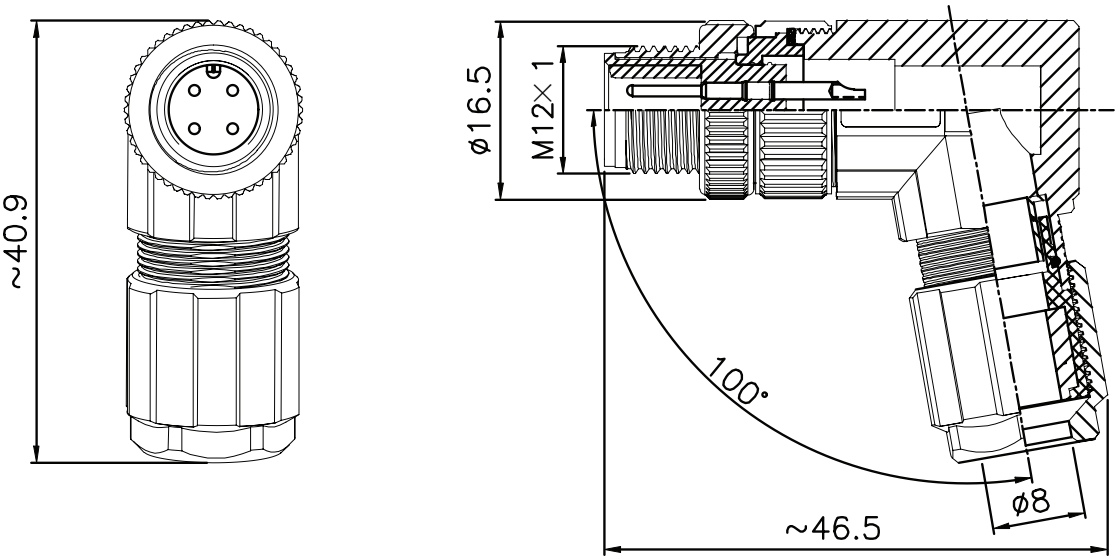
12A = 12 [A-Coding]

17A = 17 [A-Coding]

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



|                |             |             |             |             |
|----------------|-------------|-------------|-------------|-------------|
| No. of Poles   | 2           | 3           | 4           | 5           |
| Coding         |             |             |             |             |
| Wire Size      | 22 AWG      | 22 AWG      | 22 AWG      | 22 AWG      |
| Suitable Cable | OD: Ø6~8 mm | OD: Ø6~8 mm | OD: Ø6~8 mm | OD: Ø6~8 mm |
| No. of Poles   | 5           | 8           | 12          | 17          |
| Coding         |             |             |             |             |
| Wire Size      | 22 AWG      | 24 AWG      | 26 AWG      | 26 AWG      |
| Suitable Cable | 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 | 08/13/2025 |

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



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