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# SERIES: CPM812 | DESCRIPTION: M8 FIELD ASSEMBLY CONNECTOR

## FEATURES

- M8 female connector
- A, B & D code versions
- right angle
- free hanging
- solder terminal



## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage | 3 & 4 pole models<br>5, 6, & 8 pole models | | | 60<br>30 | V<br>V |
| rated current | 3, 4A, & 5B pole models<br>4D pole model<br>6 & 8 pole models | | | 3<br>4<br>1.5 | A<br>A<br>A |
| withstanding voltage | 3 & 4 pole models<br>5, 6, & 8 pole models | | 1,500<br>800 | | 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) | | | | |

## SOLDERABILITY

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

## PART NUMBER KEY

CPM812 - XXX - FRA - M5 - 67

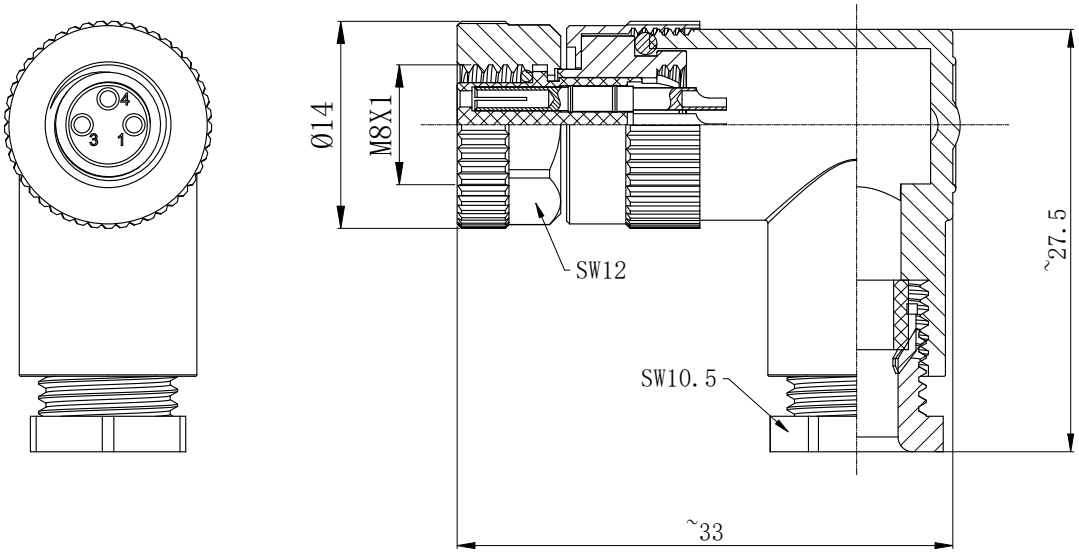
Base Number

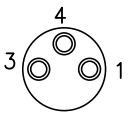
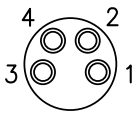
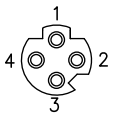
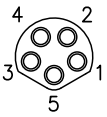
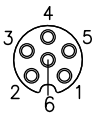
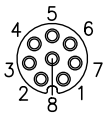
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
04D = 4 (D-Coding)
05B = 5 (B-Coding)
06A = 6 (A-Coding)
08A = 8 (A-Coding)

## MECHANICAL DRAWING

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




| No. of Poles | 3 | 4 | 4 | 5 | 6 | 8 |
|---|---|---|---|---|---|---|
| Coding |  A-Coding |  A-Coding |  D-Coding |  B-Coding |  A-Coding |  A-Coding |
| Wire Size | 18 AWG | 18 AWG | 18 AWG | 18 AWG | 18 AWG | 18 AWG |
| Suitable Cable | OD: Ø3.5~5 mm | OD: Ø3.5~5 mm | OD: Ø3.5~5 mm | OD: Ø3.5~5 mm | OD: Ø3.5~5 mm | OD: Ø3.5~5 mm |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 10/23/2026 |

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

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