

**SERIES:** CDM812 | **DESCRIPTION:** M8 CONNECTOR**FEATURES**

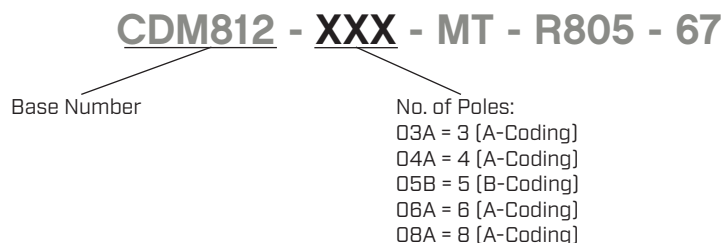
- M8 male connector
- A & B code versions
- panel mount
- IP67

**SPECIFICATIONS**

| parameter                  | conditions/description   | min | typ   | max | units  |
|----------------------------|--|-----|-------|-----|--------|
| rated voltage              | 3 & 4 pole models  |     |       | 60  | V      |
|                            | 5, 6, & 8 pole models  |     |       | 30  | V      |
| rated current              | 3, 4, & 5 pole models  |     |       | 3   | A      |
|                            | 6 & 8 pole models  |     |       | 1.5 | A      |
| withstanding voltage       | for 1 minute   |     | 1,500 |     | Vac    |
| contact resistance         |  |     |       | 10  | mΩ     |
| insulation resistance      | at 500 Vdc for 1 minute  | 100 |       |     | MΩ     |
| insertion/withdrawal force |  | 0.3 |       | 1.5 | kgf    |
| operating temperature      |  | -25 |       | 80  | °C     |
|                            | life   | 100 |       |     | cycles |
| safety approvals           | compliant with IEC61076-2-104  |     |       |     |        |
| flammability rating        | see material table   |     |       |     |        |
| RoHS                       | yes  |     |       |     |        |
| IP level                   | IP67 (in mated condition)  |     |       |     |        |
| packaging                  | tray QTY: 80 pcs per tray<br>carton size: 270 x 215 x 107 mm<br>carton QTY: 1,680 pcs per carton |     |       |     |        |

**SOLDERABILITY**

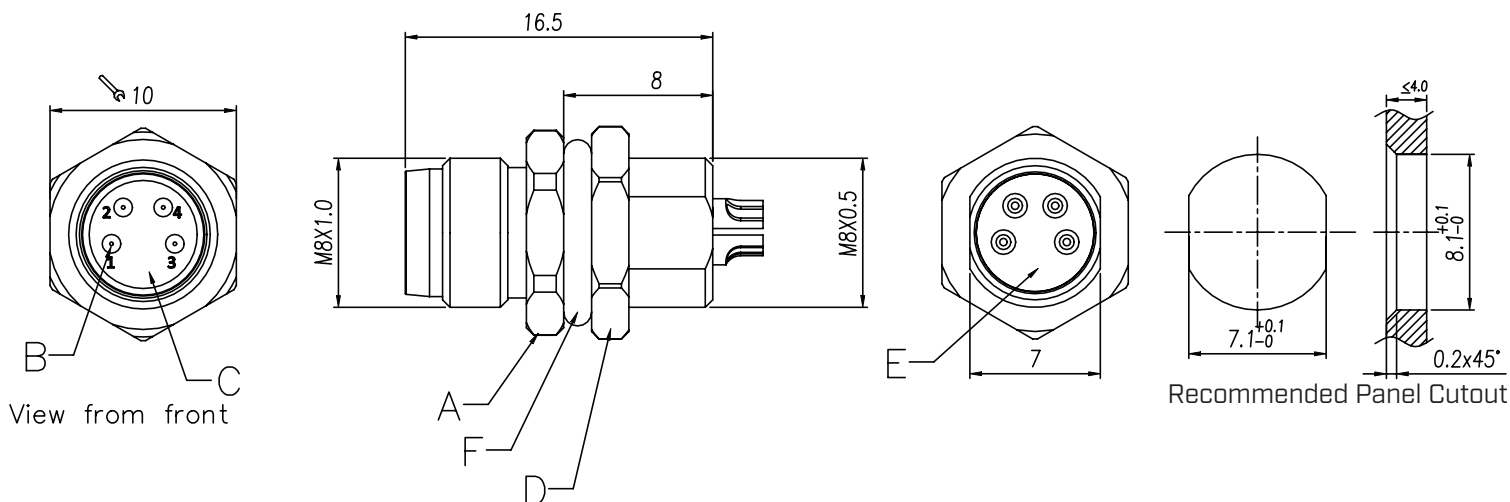
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 3 seconds  | 360 | 380 | 400 | °C    |

**PART NUMBER KEY**

## MECHANICAL DRAWING

units: mm  
 tolerance:  
 0.5<X≤6.0: ±0.1 mm  
 6.0<X≤30.0: ±0.2 mm  
 unless otherwise noted

| ITEM | DESCRIPTION     | MATERIAL       | PLATING/COLOR |
|------|-----------------|----------------|---------------|
| A    | M8x1.0 screw    | brass          | nickel        |
| B    | terminals; male | brass          | gold          |
| C    | housing; male   | PA66 (UL94V-0) | black         |
| D    | M8x0.5 nut      | brass          | nickel        |
| E    | resin           | epoxy resin    | black         |
| F    | o-ring          | FKM            | black         |



| No. of Poles | 3        | 4        | 5        | 6        | 8        |
|--------------|----------|----------|----------|----------|----------|
| Coding       | A-Coding | A-Coding | B-Coding | A-Coding | A-Coding |
| Wire Size    | 24 AWG   | 24 AWG   | 24 AWG   | 26 AWG   | 26 AWG   |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 07/19/2022 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

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



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