

**SERIES:** CDM805 | **DESCRIPTION:** M8 CONNECTOR**FEATURES**

- M8 female 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  | 260 | 280 | 300 | °C    |

**PART NUMBER KEY****CDM805 - XXX - FP - F011 - 67**

Base Number

No. of Poles:

03A = 3 (A-Coding)

04A = 4 (A-Coding)

05B = 5 (B-Coding)

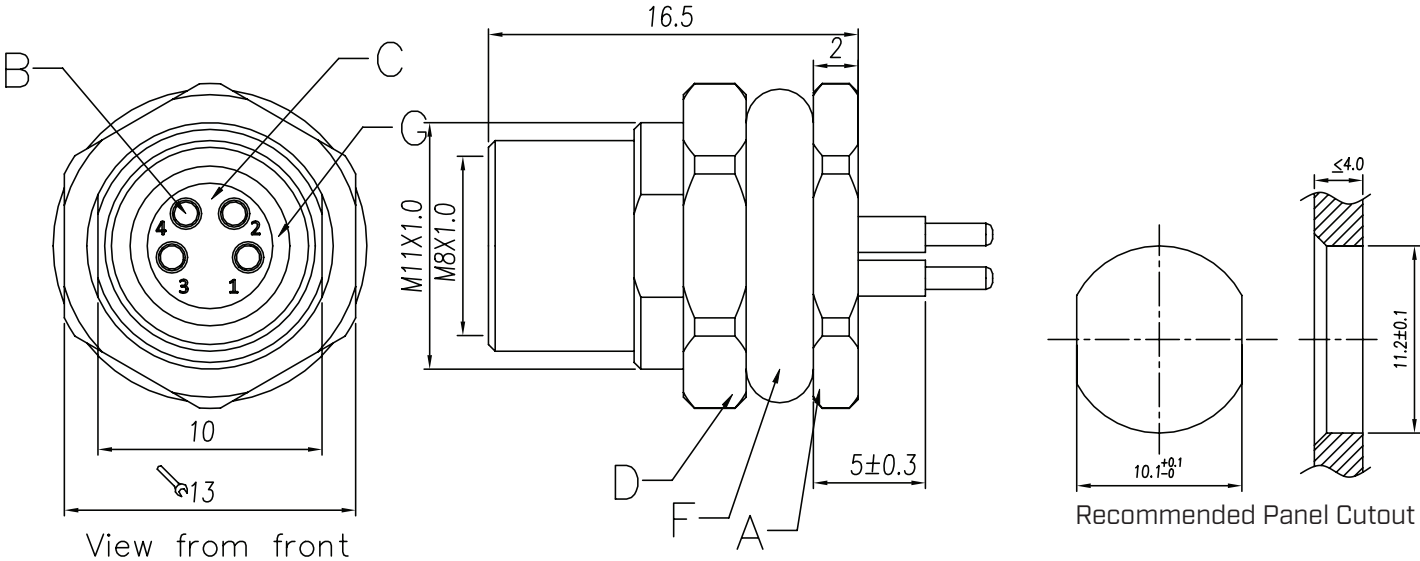
06A = 6 (A-Coding)

08A = 8 (A-Coding)

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<br>M11x1.0 screw | brass          | nickel        |
| B    | terminals; female             | brass          | gold          |
| C    | housing; female               | PA66 [UL94V-0] | black         |
| D    | M11x1.0 nut                   | brass          | nickel        |
| E    | resin                         | epoxy resin    | black         |
| F    | o-ring                        | FKM            | black         |
| G    | o-ring                        | FKM            | orange        |



| No. of Poles                    | 3            | 4            | 5            | 6            | 8            |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|
| Coding                          | <br>A-Coding | <br>A-Coding | <br>B-Coding | <br>A-Coding | <br>A-Coding |
| Pin Diameter                    | 1.0 mm       | 1.0 mm       | 1.0 mm       | 0.7 mm       | 0.6 mm       |
| Recommended PCB Layout Top View |              |              |              |              |              |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/19/2022 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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