

**SERIES:** CDM509 | **DESCRIPTION:** M5 CONNECTOR**FEATURES**

- M5 male connector
- A Code
- panel mount
- IP67

**SPECIFICATIONS**

| parameter                  | conditions/description                                            | min | typ | max | units  |
|----------------------------|-------------------------------------------------------------------|-----|-----|-----|--------|
| rated voltage              |                                                                   |     |     | 60  | V      |
| rated current              |                                                                   |     |     | 1   | A      |
| withstanding voltage       | for 1 minute                                                      |     | 600 |     | Vac    |
| contact resistance         |                                                                   |     |     | 5   | 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 IEC61076-2-105                                     |     |     |     |        |
| flammability rating        | see material table                                                |     |     |     |        |
| RoHS                       | yes                                                               |     |     |     |        |
| IP level                   | IP67 (in mated condition)                                         |     |     |     |        |
| packaging                  | carton size: 280 x 225 x 340 mm<br>carton QTY: 600 pcs per carton |     |     |     |        |

**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 1~3 seconds        |     | 380 |     | °C    |

**PART NUMBER KEY**

**CDM509 - XXX - MW - F505 - 050 - 67**

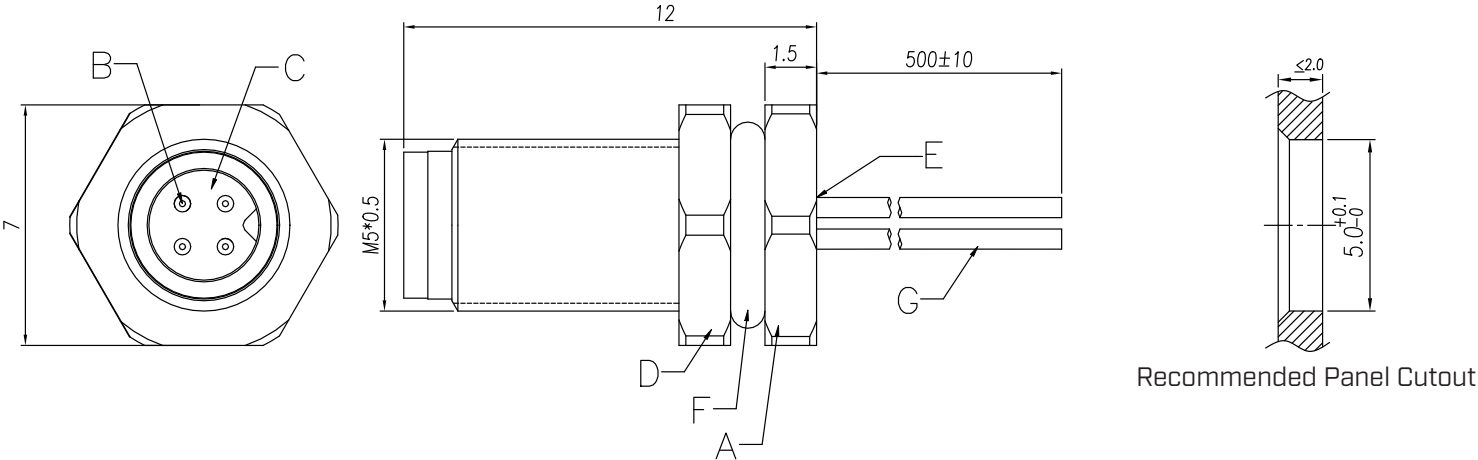
Base Number

No. of Poles:  
03A = 3 (A-Coding)  
04A = 4 (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    | M5x0.5 screw    | brass           | nickel        |
| B    | terminals; male | brass           | gold          |
| C    | housing; male   | PA66 [UL94V-0]  | black         |
| D    | M5x0.5 nut      | brass           | nickel        |
| E    | resin           | epoxy resin     | black         |
| F    | o-ring          | FKM             | black         |
| G    | wire            | UL1061 L=505 mm |               |



Recommended Panel Cutout

| No. of Poles | 3                                                                                               | 4                                                                                                |
|--------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Coding       | <br>A-Coding | <br>A-Coding |
| Wire Size    | 26 AWG                                                                                          | 26 AWG                                                                                           |
| Pin #        |                                                                                                 |                                                                                                  |
| 1            | brown                                                                                           | brown                                                                                            |
| 2            | ---                                                                                             | white                                                                                            |
| 3            | blue                                                                                            | blue                                                                                             |
| 4            | black                                                                                           | black                                                                                            |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/18/2023 |
| 1.01 | 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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