

**SERIES:** CDM1246 | **DESCRIPTION:** M12 CONNECTOR**FEATURES**

- M12 male connector
- D code
- panel mount
- IP67
- 0.5, 1, 2, 3, & 5 meter length options

**SPECIFICATIONS**

| parameter                  | conditions/description        | min | typ   | max | units  |
|----------------------------|-------------------------------|-----|-------|-----|--------|
| rated voltage              |                               |     |       | 60  | V      |
| rated current              |                               |     |       | 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 |       | 3.0 | kgf    |
| operating temperature      |                               | -25 |       | 80  | °C     |
| life                       |                               | 100 |       |     | cycles |
| safety approvals           | compliant with IEC61076-2-101 |     |       |     |        |
| flammability rating        | see material table            |     |       |     |        |
| RoHS                       | yes                           |     |       |     |        |
| IP level                   | IP67 (in mated condition)     |     |       |     |        |

**PART NUMBER KEY****CDM1246 - 04D - MW - F16 - XXX - 67**

Base Number

Cable Length:

050 = 0.5 m

100 = 1 m

200 = 2 m

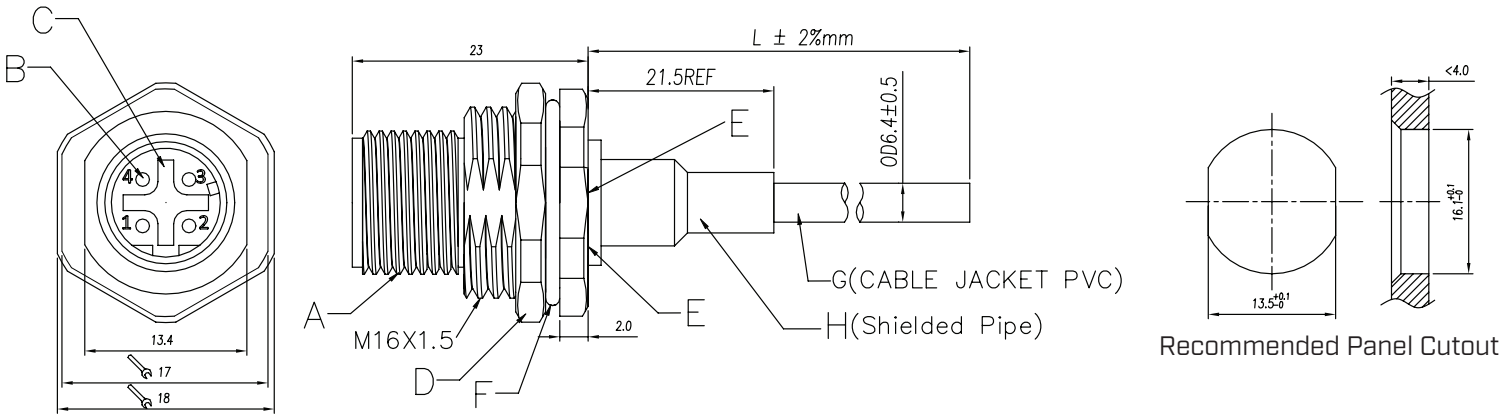
300 = 3 m

500 = 5 m

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    | M12x1.0 screw   | brass                                      | nickel        |
| B    | terminals; male | brass                                      | gold          |
| C    | housing; male   | PA66 (UL94V-0)                             | black         |
| D    | M16x1.5 nut     | brass                                      | nickel        |
| E    | resin           | black epoxy                                | black         |
| F    | o-ring          | FKM                                        | black         |
| G    | cable           | CAT5 (100 Mbps), UL2464, 26 AWG PVC jacket |               |
| H    | shield pipe     | brass                                      | nickel        |



|              |                                                                                                                                                                                                        |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No. of Poles | 4                                                                                                                                                                                                      |
| D-Coding     |                                                                                                                                                                                                        |
| Cable        | 26 AWG twisted pair X 2C + AL + Braid<br>OD: Ø6.4 mm                                                                                                                                                   |
| Wiring       | <div><div><div>P1</div><div>1 Yellow</div><div>3 Orange</div><div>2 White</div><div>4 Blue</div><div>Shield Braid</div></div><div><div>TD+</div><div>TD-</div><div>RD+</div><div>RD-</div></div></div> |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 05/09/2024 |
| 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.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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