Additional Resources: Product Page | 3D Model

date 09/12/2024 **page** 1 of 3

SERIES: CDM1227 | DESCRIPTION: M12 CONNECTOR

FEATURES

• M12 female connector

same sky

- A code
- panel mount
- IP67





SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|----------------------------|---------------------------------|-----|-------|-----|--------|
| | 3 & 4 pole models | | | 250 | V |
| rated voltage | 5 pole model | | | 60 | V |
| | 8 & 12 pole models | | | 30 | V |
| | 3, 4, & 5 pole models | | | 4 | А |
| rated current | 8 pole model | | | 2 | А |
| | 12 pole model | | | 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) | | | | |
| | box QTY: 25 pcs | | | | |
| packaging | carton size: 275 x 235 x 335 mm | | | | |
| | carton QTY: 600 pcs | | | | |

SOLDERABILITY

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

PART NUMBER KEY

<u>CDM1227</u> - <u>XX</u> A - FW- R9 - 050 - 67

Base Number

No. of Poles (A-Coding):

- 03 = 3
- 04 = 4 05 = 5
- 08 = 8

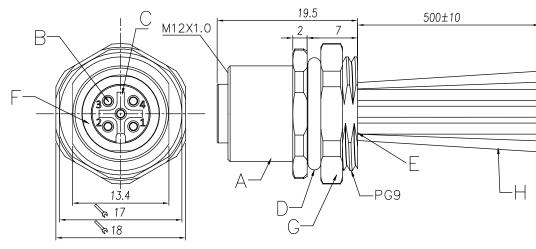
12 = 12

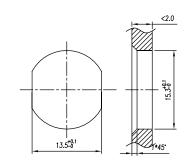
MECHANICAL DRAWING

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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 |
|------|-------------------|------------------|---------------|
| А | M12x1.0 screw | brass | nickel |
| В | terminals; female | brass | gold |
| С | housing; female | PA66 (UL94V-0) | black |
| D | o-ring | FKM | black |
| E | resin | epoxy resin | black |
| F | o-ring | FKM | green |
| G | PG9 nut | brass | nickel |
| Н | wire | UL 1061 L=508 mm | |
| | | | |





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Recommended Panel Cutout
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| No. of Poles | З | 4 | 5 | 8 | 12 |
|--------------|--------|----------------|----------------------|--------|-----------|
| A-Coding | | 50 04 20 01 | 30 04 05 20 01 | | |
| Wire Size | 22 AWG | 22 AWG | 22 AWG | 24 AWG | 26 AWG |
| Pin # | | | | | |
| 1 | brown | brown | brown | white | brown |
| 2 | | white | white | brown | blue |
| 3 | blue | blue | blue | green | white |
| 4 | black | black | black | yellow | green |
| 5 | | | gray | gray | pink |
| 6 | | | | pink | yellow |
| 7 | | | | blue | black |
| 8 | | | | red | gray |
| 9 | | | | | red |
| 10 | | | | | violet |
| 11 | | | | | gray/pink |
| 12 | | | | | red/blue |

REVISION HISTORY

| rev. | description | date | |
|------|-----------------------------------|------------|--|
| 1.0 | initial release | 12/13/2021 | |
| 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.

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

same sky

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