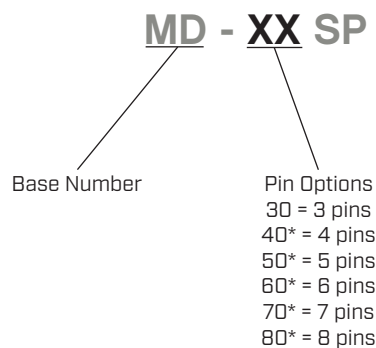


SERIES: MD-SP | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- vertical
- panel mount
- plastic mounting ears w/recess for hex nut

**PART NUMBER KEY**

Note: *. Discontinued MD-40SP, MD-50SP, MD-60SP MD-70SP & MD-80SP models.

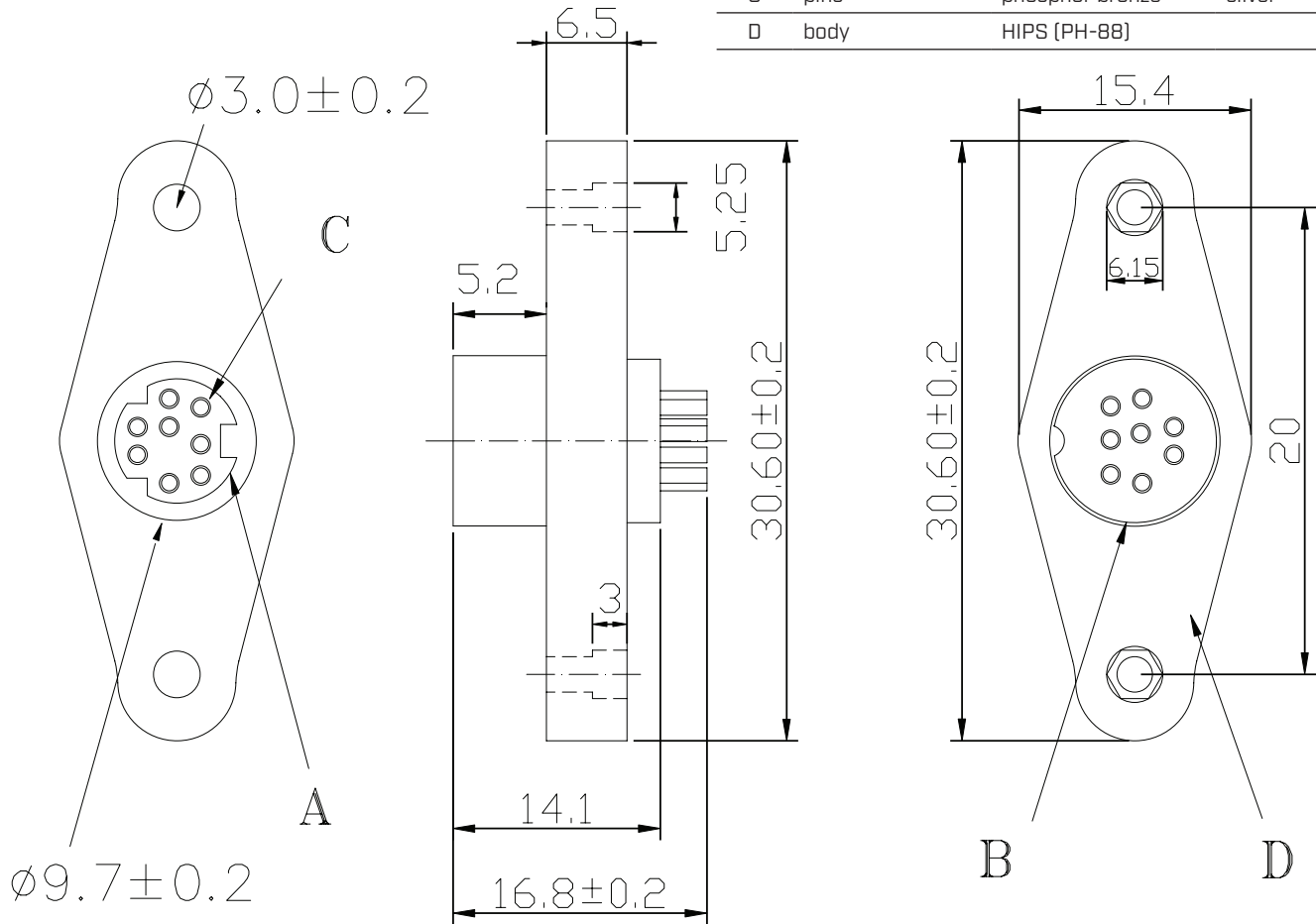
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage | | | 100 12 | | Vac Vdc |
| rated input current | at 100 Vac at 12 Vdc | | | 1 2 | A A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 250 Vdc | 50 | | | MΩ |
| voltage withstand | for 1 minute | | | 250 | Vac |
| insertion force | | | | 4.5 | kg |
| withdrawal force | | 0.9 | | 3 | kg |
| operating temperature | | 5 | | 80 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

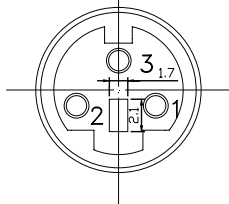
MECHANICAL DRAWINGS

units: mm
tolerance: ±0.2 mm

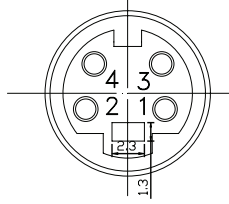
| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|-------------|-----------------------|---------------|
| A | housing | NY6+FB (PA-1010C2) | |
| B | shell | brass | nickel |
| C | pins | phosphor bronze | silver |
| D | body | HIPS (PH-88) | |



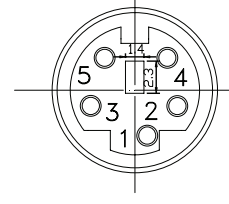
MD-30SP



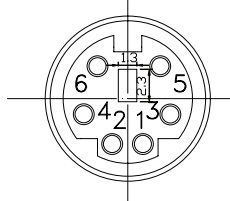
MD-40SP



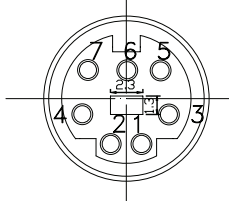
MD-50SP



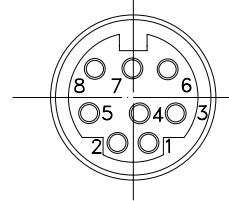
MD-60SP



MD-70SP



MD-80SP



REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 02/23/2006 |
| 1.01 | new template applied | 02/09/2012 |
| 1.02 | updated datasheet | 08/25/2017 |
| 1.03 | brand update | 02/19/2020 |
| 1.04 | changed housing mold | 07/09/2020 |
| 1.05 | updated drawing | 02/10/2022 |
| 1.06 | logo, datasheet style update | 08/05/2022 |
| 1.07 | discontinued models MD-40SP, MD-50SP, MD-70SP & MD-80SP | 09/26/2022 |
| 1.08 | discontinued model MD-60SP | 05/31/2023 |

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



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

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