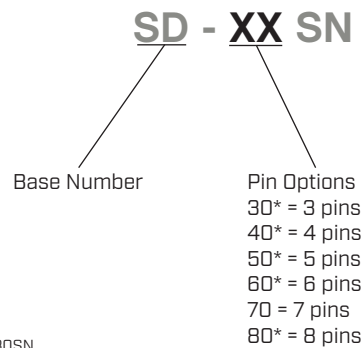


**SERIES:** SD-SN | **DESCRIPTION:** STANDARD DIN CONNECTOR**FEATURES**

- panel mount
- vertical
- shielded

**PART NUMBER KEY**

Note: \*. Discontinued SD-30SN, SD-40SN, SD-50SN, SD-60SN & SD-80SN

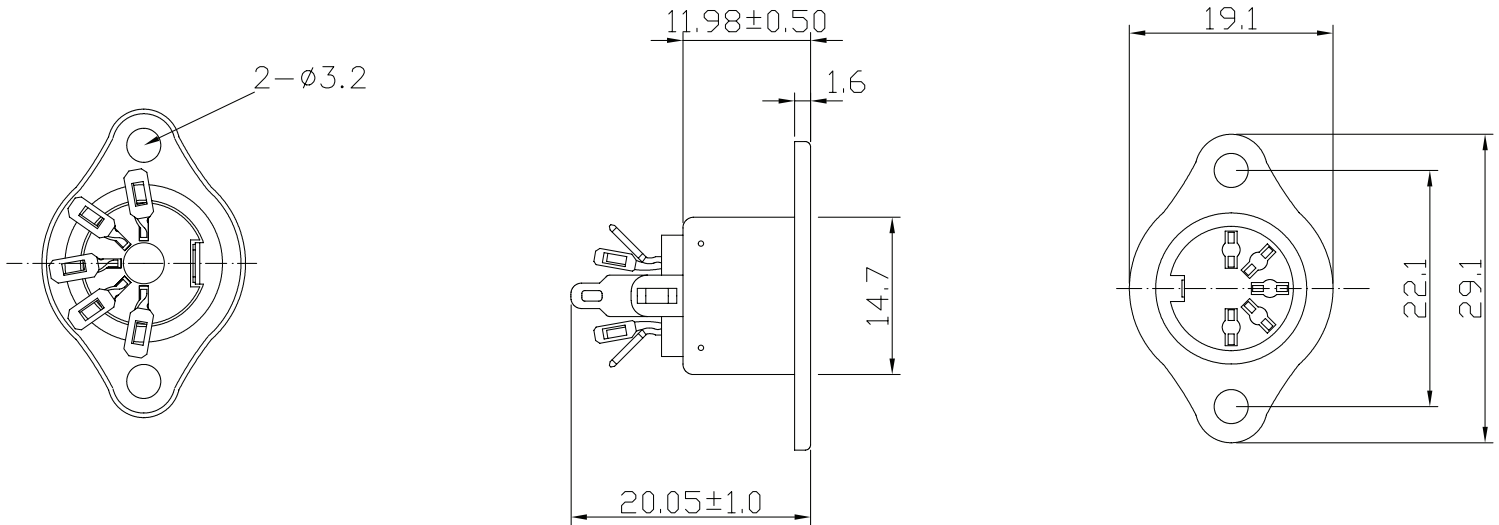
**SPECIFICATIONS**

| parameter             | conditions/description                              | min        | typ       | max      | units      |
|-----------------------|-----------------------------------------------------|------------|-----------|----------|------------|
| rated input voltage   |                                                     |            | 100<br>12 |          | Vac<br>Vdc |
| rated input current   | at 100 Vac<br>at 12 Vdc                             |            |           | 1<br>2   | A<br>A     |
| contact resistance    | SD-40SN & SD-60SN<br>all other models               |            |           | 20<br>30 | mΩ<br>mΩ   |
| insulation resistance | at 500 Vdc, SD-40SN<br>at 500 Vdc, all other models | 300<br>100 |           |          | MΩ<br>MΩ   |
| voltage withstand     | for 1 minute                                        |            |           | 1,000    | Vac        |
| insertion force       | SD-40SN<br>all other models                         |            |           | 6.5<br>4 | kg<br>kg   |
| withdrawal force      | SD-40SN<br>all other models                         | 1<br>1     |           | 5<br>3.5 | kg<br>kg   |
| operating temperature |                                                     | 5          |           | 70       | °C         |
| life                  |                                                     |            | 5,000     |          | cycles     |
| flammability rating   | UL94V-0                                             |            |           |          |            |
| RoHS                  | yes                                                 |            |           |          |            |

MECHANICAL DRAWINGS

units: mm  
tolerance:  
X.X  $\pm 0.38$  mm  
X.XX  $\pm 0.25$  mm  
X.XXX  $\pm 0.150$  mm

|                                 | MATERIAL          | PLATING |
|---------------------------------|-------------------|---------|
| earth terminal                  | phosphor bronze   | tin     |
| contact pins (SD-40SN)          | brass             | tin     |
| contact pins (all other models) | brass             | silver  |
| socket case                     | cold rolled steel | nickel  |
| rivet                           | aluminum          | nickel  |
| insulator                       | PBT               |         |

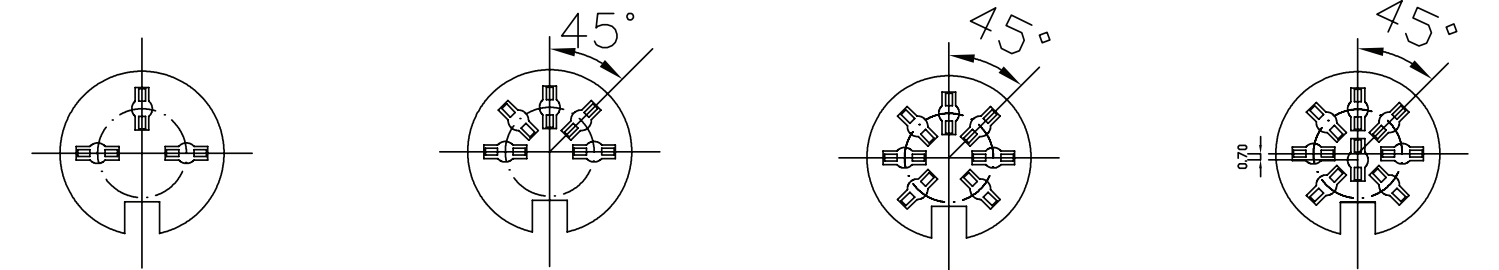


**SD-30SN**

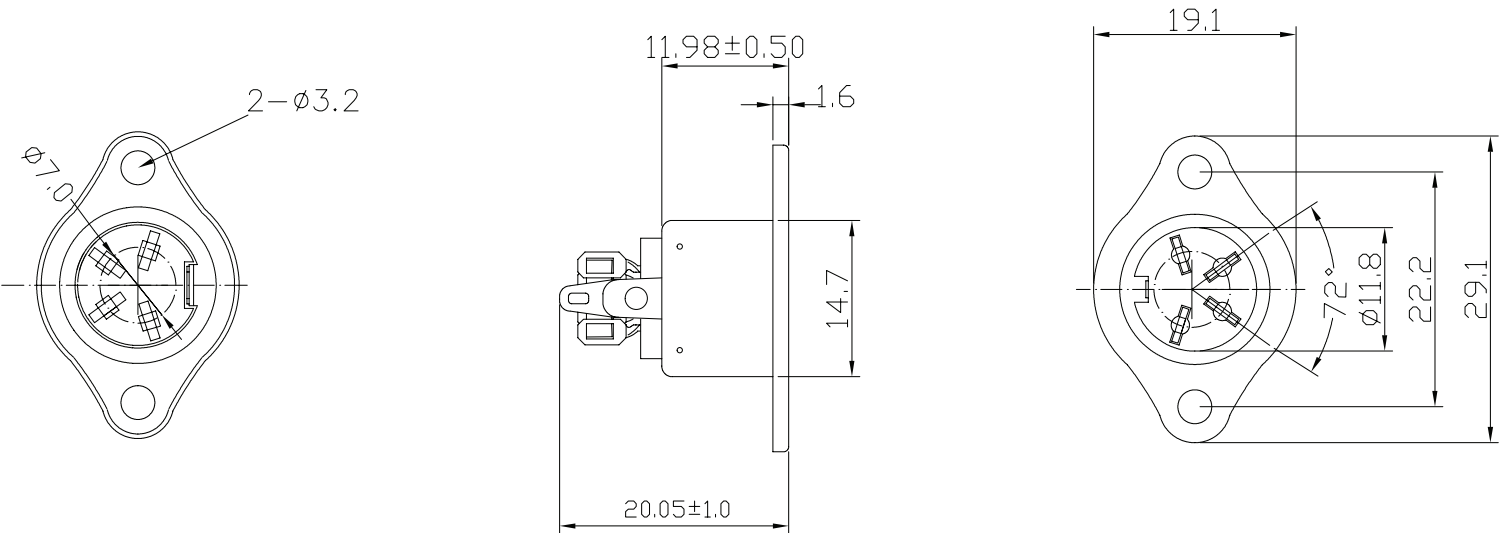
**SD-50SN**

**SD-70SN**

**SD-80SN**



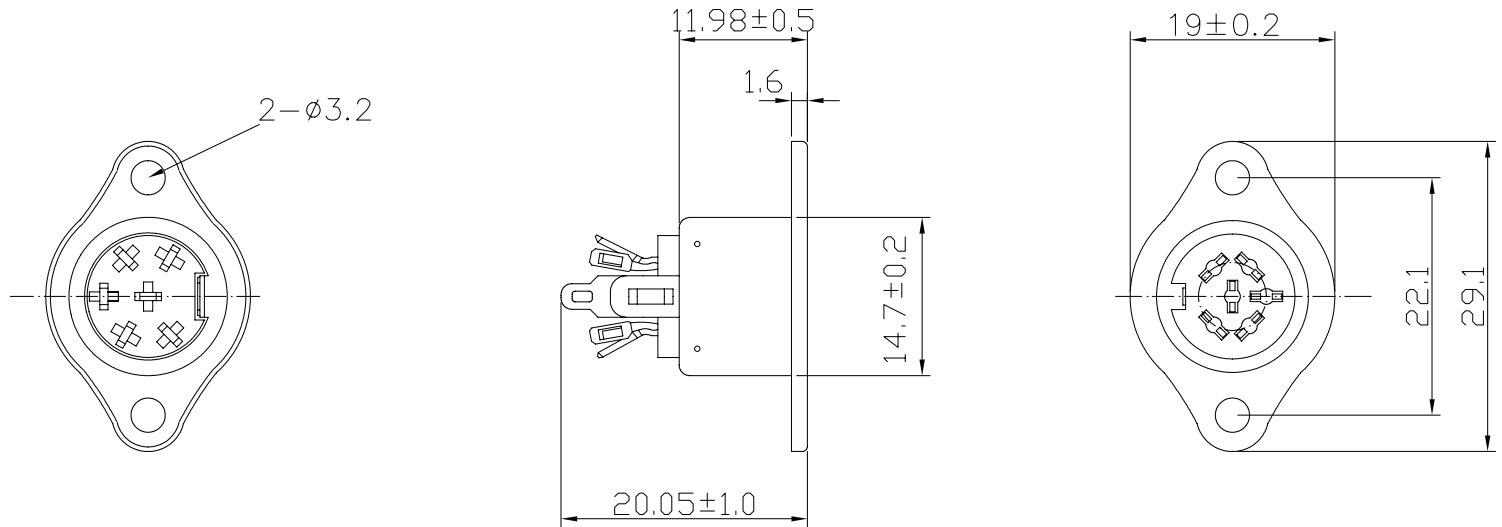
**SD-40SN**



## MECHANICAL DRAWINGS (CONTINUED)

units: mm  
tolerance:  
X.X  $\pm 0.38$  mm  
X.XX  $\pm 0.25$  mm  
X.XXX  $\pm 0.150$  mm

### **SD-60SN**



## REVISION HISTORY

| rev. | description                                    | date       |
|------|------------------------------------------------|------------|
| 1.0  | initial release                                | 02/23/2006 |
| 1.01 | new template applied                           | 02/10/2012 |
| 1.02 | housing dimensions of SD-40SN changed          | 05/21/2014 |
| 1.03 | housing dimensions of SD-60SN changed          | 09/01/2015 |
| 1.04 | front face slots rotated on SD-40SN            | 10/26/2016 |
| 1.05 | new tooling for housings                       | 12/20/2016 |
| 1.06 | brand update                                   | 02/19/2020 |
| 1.07 | logo, datasheet style update                   | 08/05/2022 |
| 1.08 | discontinued models SD-30SN, SD-40SN & SD-50SN | 09/26/2022 |
| 1.09 | discontinued model SD-80SN                     | 09/26/2023 |
| 1.10 | discontinued model SD-60SN                     | 10/04/2023 |

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



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