CUDEVICES

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

FEATURES

- panel mount
- vertical
- shielded

RoHS

PART NUMBER KEY

SD - XX SN

Base Number

Pin Options
30* = 3 pins
40* = 4 pins
50* = 5 pins
60* = 6 pins
70 = 7 pins
80* = 8 pins

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

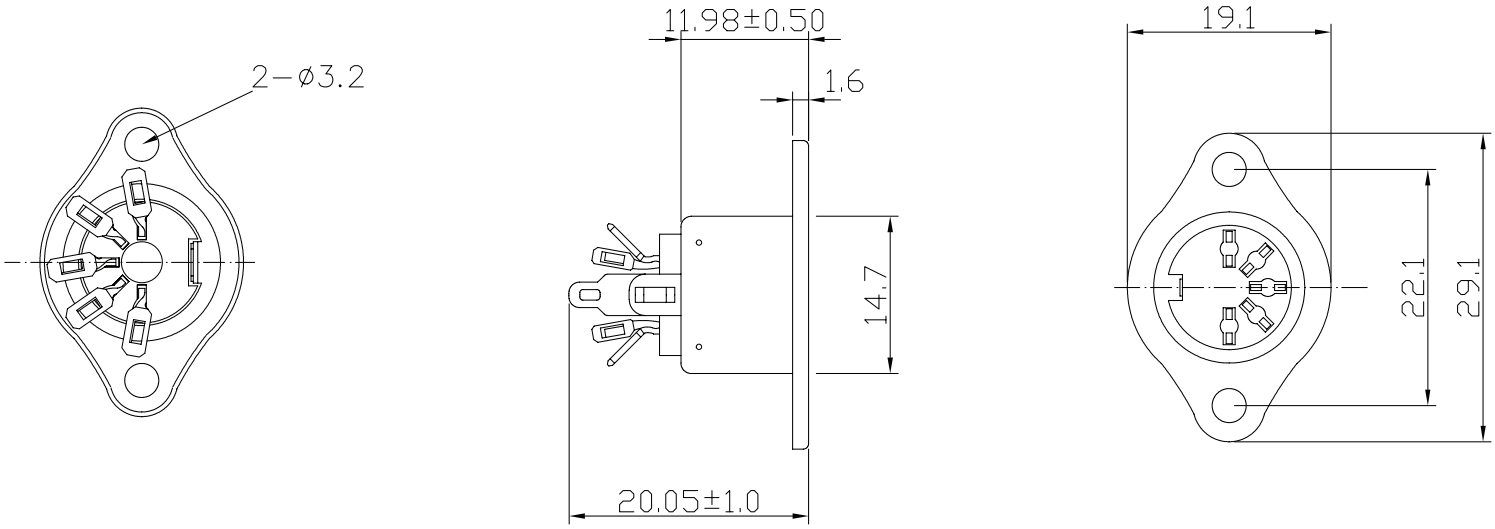
SPECIFICATIONS

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	SD-40SN & SD-60SN all other models			20 30	mΩ mΩ
insulation resistance	at 500 Vdc, SD-40SN at 500 Vdc, all other models	300 100			MΩ MΩ
voltage withstand	for 1 minute			1,000	Vac
insertion force	SD-40SN all other models			6.5 4	kg kg
withdrawal force	SD-40SN all other models	1 1		5 3.5	kg kg
operating temperature		5		70	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

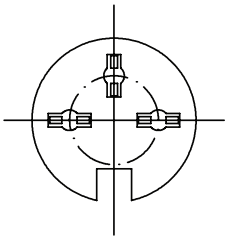
MECHANICAL DRAWINGS

units: mm
tolerance:
X.X ±0.38 mm
X.XX ±0.25 mm
X.XXX ±0.150 mm

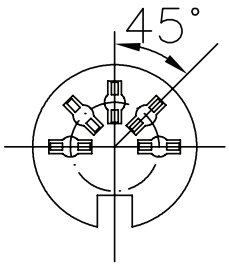
	MATERIAL	PLATING
earth terminal	phosphor bronze	tin
contact pins (SD-40SN)	brass	tin
contact pins (all other models)	brass	silver
socket case	cold rolled steel	nickel
rivet	aluminum	nickel
insulator	PBT	



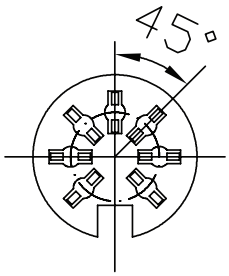
SD-30SN



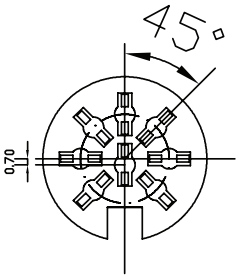
SD-50SN



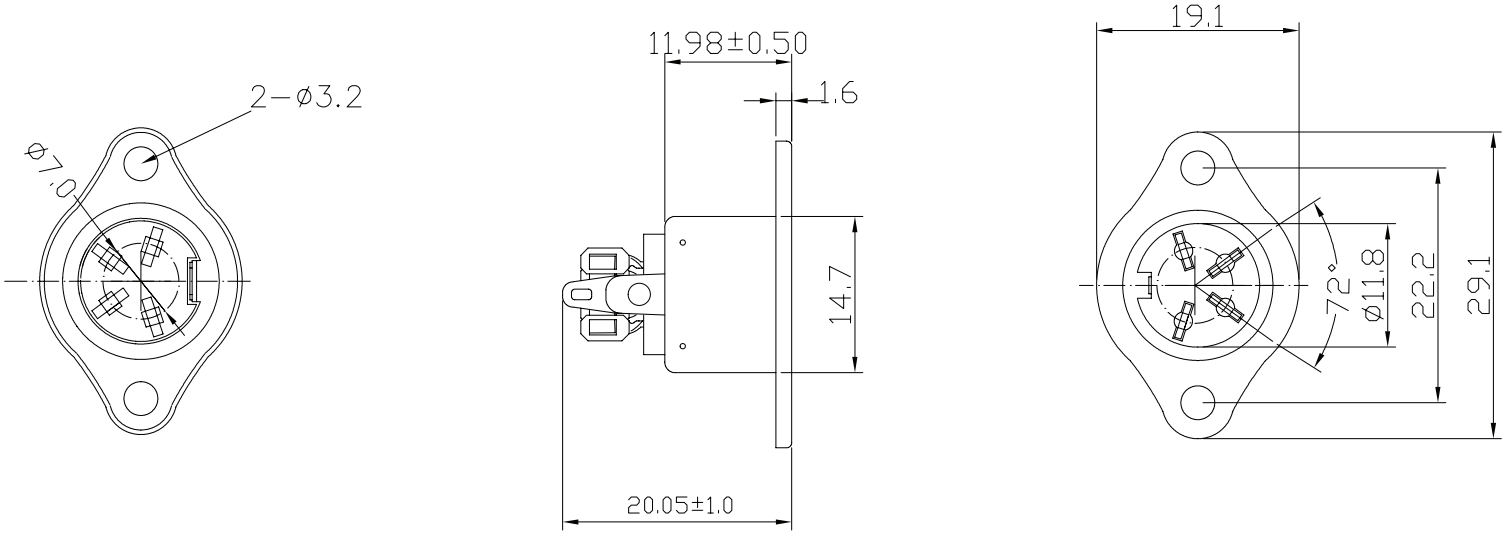
SD-70SN



SD-80SN



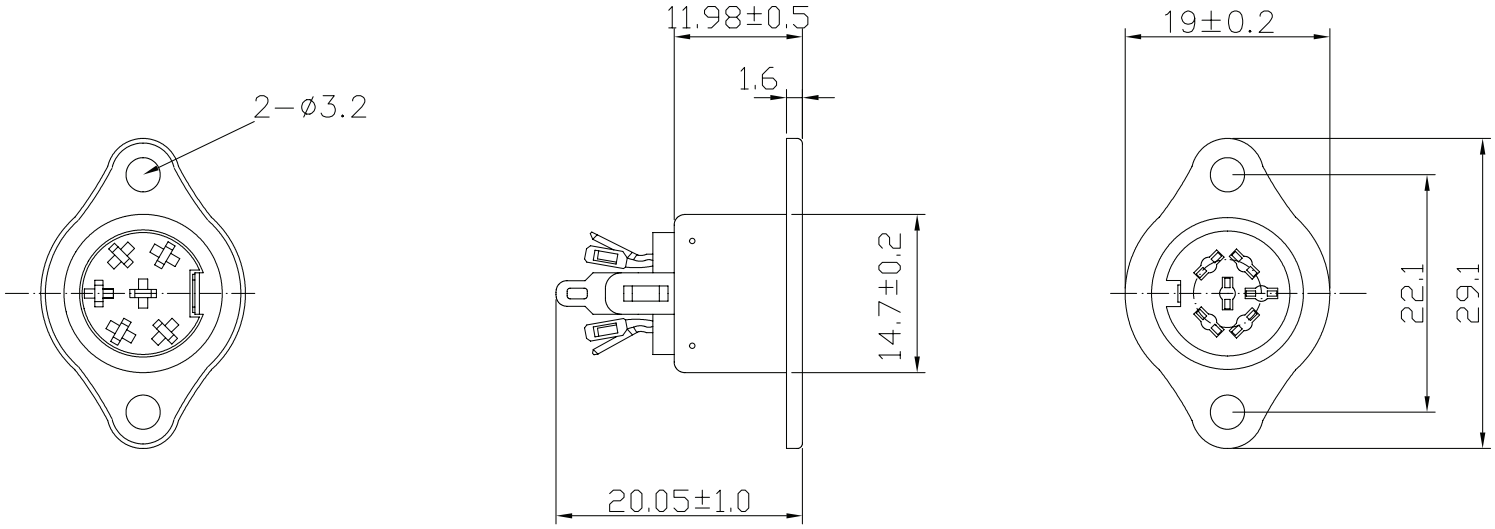
SD-40SN



MECHANICAL DRAWINGS (CONTINUED)

units: mm
tolerance:
X.X ±0.38 mm
X.XX ±0.25 mm
X.XXX ±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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