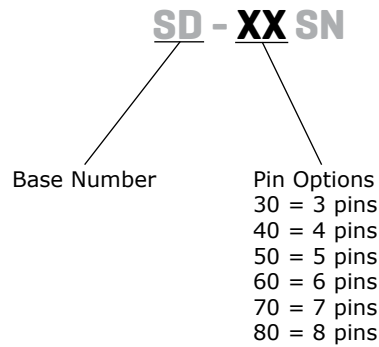**SERIES:** SD-XXSN │ **DESCRIPTION:** STANDARD DIN CONNECTOR

FEATURES
• panel mount
• vertical
• shielded

RoHS

PART NUMBER KEY
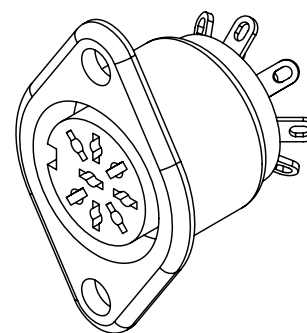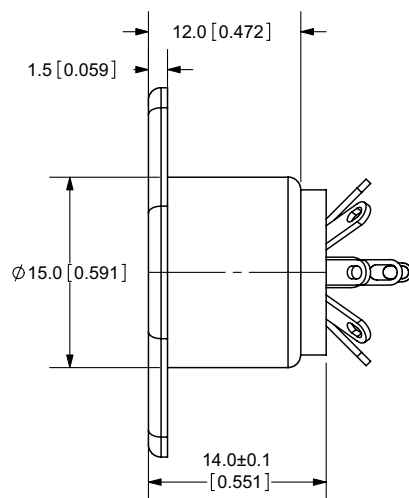
SD - **XX** SN

Base Number

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

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			100		Vac
			12		Vdc
rated input current	at 100 Vac			1	A
	at 12 Vdc			2	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			1,000	Vac
insertion force	SD-40SN			6.5	kg
	all other models			4	kg
withdrawal force	SD-40SN	1		5	kg
	all other models	1		3.5	kg
operating temperature		5		70	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

MECHANICAL DRAWINGS

units: mm[inches]
tolerance: ±0.2mm

	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
insulator	PBT	

19.0 [0.748]

29.1±0.1 [1.146]

22.2 [0.874]

⌀3.2 [0.126]
(2 PLCS)

12.0 [0.472]

1.5 [0.059]

⌀15.0 [0.591]

14.0±0.1 [0.551]

SD-30SN

SD-50SN

45°

SD-70SN

45°

SD-80SN

45°

SD-40SN

19.3±0.2 [0.760±0.008]

29.0 [1.142]

22.2 [0.874]

72°

⌀3.2 [0.126]
(2 PLCS)

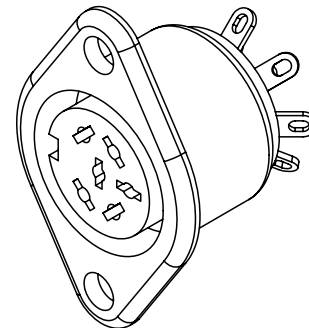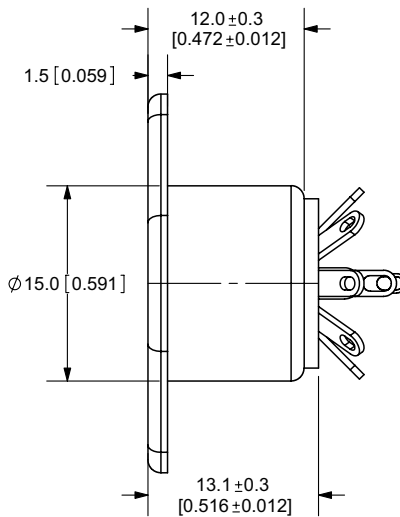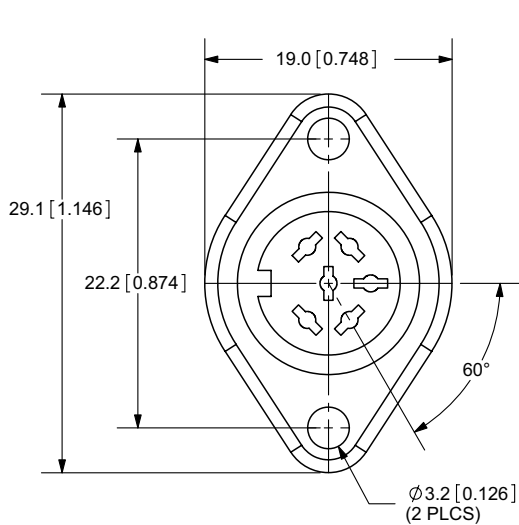12.0 [0.472]

1.5 [0.059]

1.5±0.1 [0.059±0.004]

19.3±0.2 [0.760±0.008]
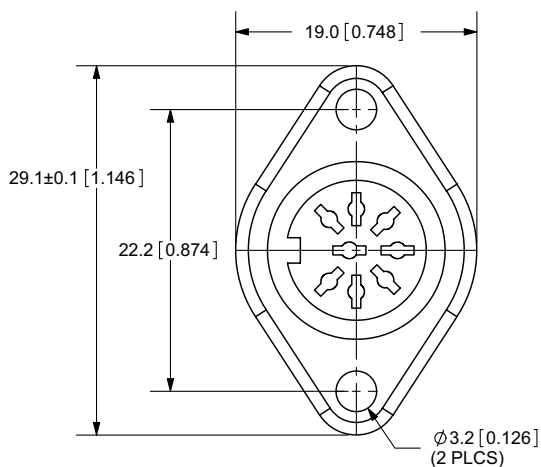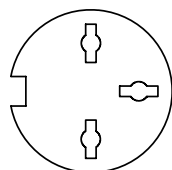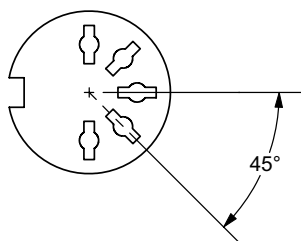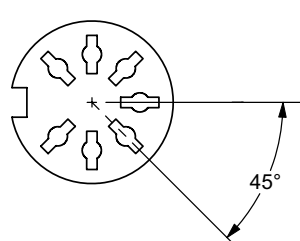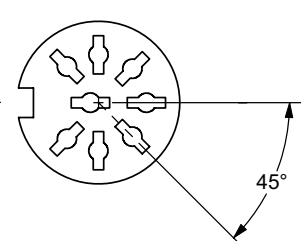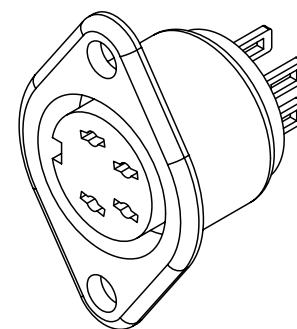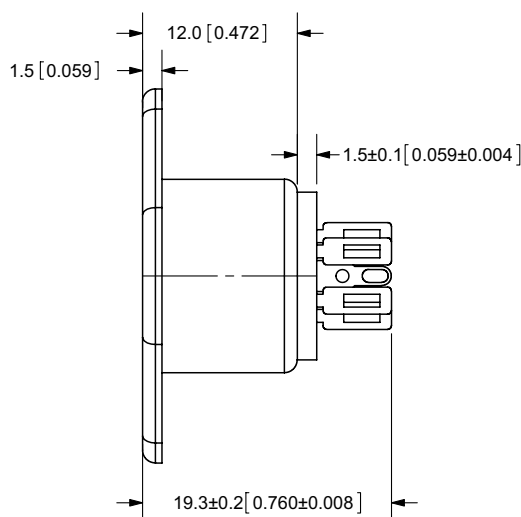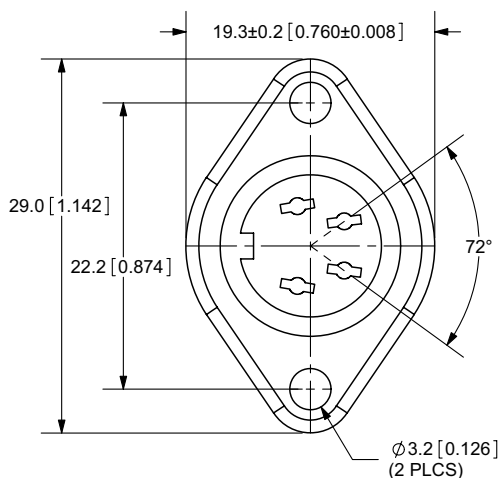
MECHANICAL DRAWINGS (CONTINUED)

units: mm[inches]
tolerance: ±0.2mm

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

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

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