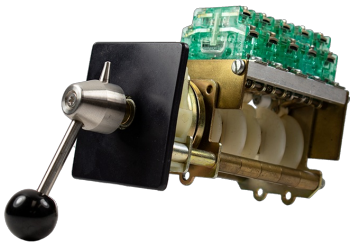
NSO-1 ROTARY SWITCH

NSO-1 Rotary DC Switches are characterized by their rugged construction and unmatched versatility.



SPECIFICATIONS

GENERAL DATA

Output Options	DC Contacts, Potentiometer, Encoder, 4-20mA & Transformer
Handle Action	Spring Return, Friction Brake or Maintained
Handle Travel	0 - 270 degrees with directly coupled potentiometer
Max of Steps	Up to 2-12 positions
Handle Compatibility	Teardrop, pistol grip & chrome steel ball lever
Life	10 million cycles
Materials	Aluminum body and nickel chronium yoke.
Est. Shipping Weight	4 lbs.
Est. Shipping Dimensions	10 in. x 10 in. x 10 in.

MOUNTING DATA

Mounting Style	Panel (from below)
Mounting Footprint	2.84" x 2.84" See literature for additional mounting specifications

ENVIRONMENTAL DATA

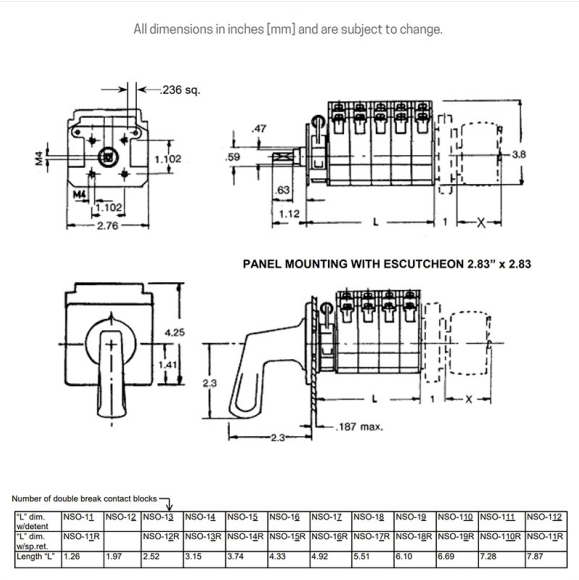
IP Rating	Up to IP66 / Nema 4x (with cast enclosure & round nameplate)
Operating Temperature	-13 to +158 degrees F [-25 to +70 degrees C]
Storage Temperature	-40 to +158 degrees F [-40 to +70 degrees C]

ELECTRICAL DATA

Contact Specifications	Switch Type: 1 N.O. and 1 N.C. double break nickel silver alloy contacts with non-teasable snap action mechanism Max. Number: Up to 6 contact blocks (12 circuits) Rating (DC w/ magnetic blow out): 10 amps @ 24VDC 6 amps @ 48 VDC 1.0 amps @ 125 VDC 0.6 amps @ 250 VDC Termination: Saddle Clamp Max. Wire Size: 12 AWG
Additional Specifications	Reference product literature for additional specifications.

Technical Drawings

Dimensional

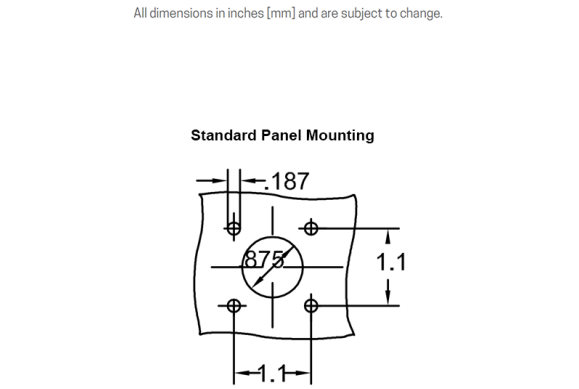


Number of double break contact blocks

"L" dim. w/detent	NSO-11	NSO-12	NSO-13	NSO-14	NSO-15	NSO-16	NSO-17	NSO-18	NSO-19	NSO-110	NSO-111	NSO-112
"L" dim. w/sp.ret.	NSO-11R		NSO-12R	NSO-13R	NSO-14R	NSO-15R	NSO-16R	NSO-17R	NSO-18R	NSO-19R	NSO-110R	NSO-11R
Length "L"	1.26	1.97	2.52	3.15	3.74	4.33	4.92	5.51	6.10	6.69	7.28	7.87

NSO-1 overall dimensions

Mounting



Panel mounting details