SO Series

Limit Switch Box

The SO series limit switch box provides a compact design and the most economical solution for both visual and remote electrical indication of rotary valve/actuator position. Integral NAMUR mounting legs provide additional cost savings by eliminating the need for a separate mounting bracket. The switch options available make the SM series suitable for use in NEMA 4, 4X weather proof applications and intrinsically safe applications.

FEATURES

• IP65 weather proof enclosure.
• Compact design.
• Flat or 3D visual position indicator.
• Integral mounting bracket that conforms to NAMUR VDI/VDE3845 dimensional standards.
• Easy-Set splined cams for tool-free calibration and positive vibration resistant engagement.
• Standard PCB and extra solenoid terminals.

MATERIALS OF CONSTRUCTION

Body:
Die cast aluminium, nickel plated.

Cover:
UV resistant V0 polycarbonate.

Shaft:
Reinforced techno polymer.

Fasteners:
Stainless steel.

SO SERIES MODEL NUMBERING

Model Number: SO XX 20N-X X

Switch Type:
01 = Electromech SPDT Ag plated contacts
70 = Proximity NAMUR P+F NJ2-V3-N
71 = Proximity NO P+F NBB2-V3-US
73 = Proximity PNP NO P+F NBB2 V3 E2
75 = Proximity NO/NC programmable IFM IS5026
83 = Proximity NO P+F NBB3 V3 Z4

Cable Entry:
1 = 1 1/2” NPT
2 = M20x1.5

Optional:
H = 3D visual indicator

TEMPERATURE RANGE

5°F to 176°F

Sliding bracket is adjustable to both 1.18” x 3.15” and 1.18” x 5.12” top pattern, and 0.79”, 1.18”, 1.58” and 1.97” pinion heights.