

SP - SM limit switch box series

Compact limit switch box for industrial, water treatment and light duty applications.

Features

- Integrated mounting kit for NAMUR pattern
- Corrosion free glass reinforced plastic enclosure on SP series
- Nickel plated aluminium body on SM series
- 1 cable entry (SP) or 2 cable entries (SM) either metric or imperial
- Multiple indicator options
- Easy wiring through the terminal PCB board

Approvals

ATEX, EAC, CCOE:

Ex II 2GD Ex ia IIC T4/T5/T6
 Ex ia IIIB T44 °C.....T108 °C Db IP6*
 Ta: -20 °C ≤ Ta ≤ 80 °C

SIL certificate: Up to SIL 2 certified by TÜV

Protection rating: IP 65
 IP 67 on request
 Nema 4 4X on request

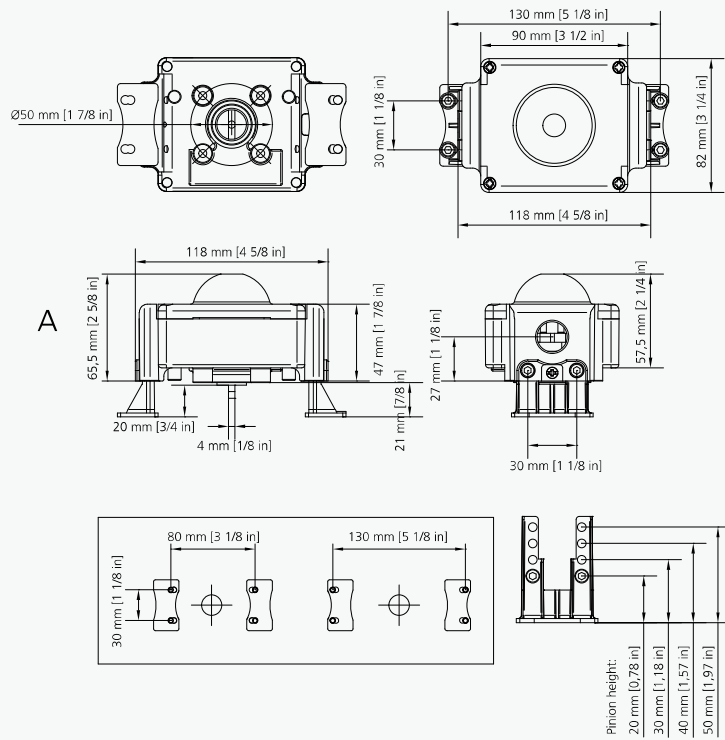
Temperature:
 -20 to +80 °C (-4 to +176 °F) standard temperature range



SP limit switch box



SM limit switch box



SP - SM limit switch box series

Nomenclature

SP N1 2 H 0 - D H W 0 0 R 1

Box

SP = Glass reinforced plastic body with polycarbonate cover
 SM = Aluminium body with polycarbonate cover

Switch

01 = SPDT el.mech. switch silver plated contacts
 03 = SPDT el.mech. switch gold plated contacts (for Ex'ia')
 1F = DPDT el.mech. switch silver plated contacts
 C4 = SPDT magnetic hermetically sealed reed switch (for Ex'ia' low temperature)
 N1 = SPDT magnetic hermetically sealed silver plated snap acting contacts
 N3 = SPDT magnetic hermetically sealed gold plated snap acting contacts (for Ex'ia')
 70 = Inductive proximity NAMUR sensor NJ2-V3-N 2 wire NC logic (for Ex'ia')
 73 = Inductive proximity sensor model NBB2-V3-E2, 3 wire PNP NO
See additional information and options on pages 14-19

Switch Quantity

2 = 2 switches

Terminals

A = Screw type terminals
 4 = Blue screw terminals (for Ex'ia')
 0 = Screw terminals with sov connection
 2 = Blue screw terminals with sov connection (for Ex'ia')

Coating

0 = Black plastic enclosure (on SP series)
 N = Nickel plated aluminium body (on SM series)

Cable Entries

D = 1 cable entry 1/2" NPT
 E = 1 cable entry M20 x 1.5
 1 = 2 cable entries 1/2" NPT (SM series only)
 2 = 2 cable entries M20 x 1.5 (SM series only)

Visual Position Indicator

H = 3D visual position indicator black and yellow
 Z = Flat visual position indicator black and yellow
See additional information and options on page 11

Approval

W = Weather proof
 A = ATEX certified
 G = EAC certification for Russian market
See additional information and options on page 13

Marking

0 = Standard location
 1 = Intrinsically safe certification
See additional information and options on page 13

IP Protection rating

0 = Weather proof IP65
 7 = Nema 4 and 4X
 2 = Weather proof IP67

Temperature

A = Ambient temperature range: -20 to +80 °C (-4 to +176 °F)
 B = Ambient temperature range: -20 to +70 °C (-4 to +158 °F) for sensor option 73

Material

1 = Glass reinforced plastic body and polycarbonate cover (on SP series)
 2 = Nickel plated aluminium body and polycarbonate cover (on SM series)