

SY - SW limit switch box series

Nomenclature

SY N1 2 0 0 - 1 0 X 2 3 A 4

Box

- SY = Copper free aluminium enclosure
- SW = Stainless steel 316 enclosure

Switch

- 01 = SPDT electro-mechanical switch silver plated contacts
 - 1F = DPDT electro-mechanical switch silver plated contacts
 - C4 = SPDT magnetic hermetically sealed reed switch
 - C8 = DPDT magnetic hermetically sealed reed switch
 - N1 = SPDT magnetic hermetically sealed silver plated snap acting contacts
 - N4 = DPDT magnetic hermetically sealed silver plated snap acting contacts
 - 32 = Inductive proximity sensor model NBN4-12GM40-Z0 2 wire
 - 73 = Inductive proximity sensor model NBB2-V3-E2, 3 wire PNP NO
 - T0 = 4-20 mA position transmitter
 - H0 = 4-20 mA HART position transmitter Atex EEx ia IIC T6 / T4 certified
 - P0 = Partial Stroke Test device with either remote or local magnetic key activation
- See additional information and options on pages 14-19

Switch Quantity

- 2 = 2 switches
- 4 = 4 switches
- 6 = 6 switches

Terminals

- 0 = Screw type terminals with sov connection
- A = Screw type terminals
- E = Cage clamp terminals with sov connection (for low temperature)
- D = Cage clamp terminals (for low temperature)

Coating

- 0 = Black powder coating (SY Series)
- E = Electro polish finishing (SW Series)

Cable Entries

- 1 = 2 cable entries 1/2" NPT
- 2 = 2 cable entries M20 x 1.5p
- T = 4 cable entries 1/2" NPT
- U = 4 cable entries M20 x 1.5p

Visual Position Indicator

- 0 = 3D plastic visual position indicator red and green
- 2 = 3-position indicator (T-port 180 deg. Blocked centre)
- A = 3-position indicator (L-port)
- B = 3-position indicator (T-port 180 deg.)
- T = 3D stainless steel position indicator

See additional information and options on page 11

Approval

- X = ATEX and IECEx certified box
 - D = ATEX and IECEx certified box with SIL2 approval
 - E = ATEX and IECEx certified box with SIL3 approval
 - G = EAC certification for Russian market
 - I = INMETRO certification for Brazilian market
 - N = NEPSI certification for Chinese market
 - J = CCOE certification for Indian market
 - U = UL certified box
 - W = Weather proof
- * SIL2 / SIL3 options available on request

See additional information and options on page 13

Marking

- 0 = Standard location
 - 2 = Certification marking: Ex II 2GD Exd IIC
 - 7 = cULus Class 1/2 Div1
 - 8 = cULus Class 1/2 Div 1/2 with (with switches code: C4,C8,N1,N3)
- See additional information and options on page 13

IP Protection rating

- 3 = Weather proof IP66 / IP68
- 7 = Nema 4 and 4X

Temperature

- A = Ambient temperature range: -20 to +80 °C (-4 to +176 °F)
- L = Ambient temperature range: -40 to +80 °C (-40 to +176 °F)
- P = Ambient temperature range: -60 to +80 °C (-76 to +176 °F) for switch codes C4 and C8

Material

- 4 = Copper free aluminium heavy duty body and cover (SY series)
- 6 = 316 stainless steel heavy duty enclosure (SW series)