SF - SS - SB limit switch box series

Multi purpose limit switch box for safe area or Intrinsically Safe applications.

Features

- Twin shaft design
- Self lubricating bushings
- Copper free aluminium or 316 stainless steel housing option for maximum corrosion protection
- 2 cable entries either metric or imperial
- Multiple indicator options
- Easy wiring through the terminal PCB board
- Position transmitter board optional
- Suitable for arctic environments

Approvals

ATEX, IECEx, EAC, CCOE:

SF-SS series (ATEX & IECEx) SB series (ATEX only) Ex II 1GD Ex ia IIC T4...T6 Ga Ex II 2GD Ex ia IIC T6...T4 Gb Ex ia IIIC T95°C...T120°C Da Ex ia IIIB T44°C...T108° -60°C<Ta<+105°C

UL: Class I Division 2 Groups A, B, C, D Class II Division 2 Groups F, G

SIL certificate: Up to SIL 3 certified by TÜV

Protection rating: IP 66 / 67

Nema 4 4X on request

Temperature:

- -20 to +80 °C (-4 to +176 °F) standard temperature range -60 to +105 °C (-76 to +221 °F) available on request
- ♠ CE Ex ATEX [SILL Y PESO

SF limit switch box

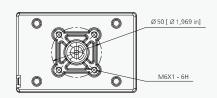


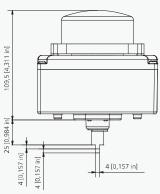
SS limit switch box

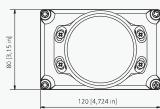


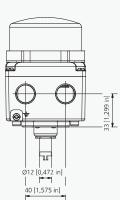
SB limit switch box











SF - SS - SB limit switch box series

Nomenclature SB N1 2 0 0 - 1 1 X 1 1 A SB = Aluminium body with polycarbonate cover SF = Aluminium enclosure SS = 316 stainless steel enclosure 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) C8 = DPDT 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 N4 = DPDT magnetic hermetically sealed silver plated snap acting contacts 62 = Inductive proximity NAMUR sensor SJ3,5-SN 2 wire NC logic (for Ex'ia' low temperature safety function) (for Ex'ia' low temperature safety function) 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, 10-30 VDC, 0-100 mA 86 = Inductive proximity NAMUR sensor model NJ4-12GK-SN 2 wire NC logic (for Ex'ia' safety function) TO = 4-20 mA position transmitter HO = 4-20 mA HART position transmitter Atex Ex ia IIC T6 / T4 certified See additional information and options on pages 14-19 **Switch Quantity** = 2 switches 3 = 3 switches Screw terminals with extra poles for solenoid valve connection Blue screw type terminals with extra poles for sov connection (for Ex'ia') Screw terminal strip Blue cage clamp terminals (for low temperature and switch codes 62, 63, H0) Cage clamp terminals (for low temperature) Blue powder coating Electro polished finishing (on SS series) = 2 cable entries 1/2 " NPT = 2 cable entries M20 x 1.5p Statal Position Hindicator Sea 3D plastic visual position indicator red and green No visual position indicator Sea 3D stainless steel position indicator See additional information and options on page 11 = Weather proof = ATEX and IECEx certified box = ATEX certified box = ATEX certified box and SIL2 approval = ATEX certified box and SIL3 approval EAC certification for Russian marketCCOE certification for Indian market U = UL certified box * SIL2 / SIL3 options available on request See additional information and options on page 13 Standard location 1 = Instrinsically safe certification 9 = cULus Class 1/2 Div 2 (with switches code: C4, C8, N1, N3) See additional information and options on page 13 IP Protection rating 1 = Weather proof IP66 / IP67 7 = NEMA 4 and 4X = Ambient temperature range: -20 to +80 °C (-4 to +176 °F) = Ambient temperature range: -40 to +80 °C (-40 to +176 °F) = Ambient temperature range: -60 to +80 °C (-76 to +176 °F) for switch code C4 = Ambient temperature range: -20 to +40 °C (-4 to +104 °F) = Ambient temperature range: -20 to +70 °C (-4 to +158 °F) = Die-cast aluminium heavy duty body and polycarbonate cover (on SB series) Copper free aluminium (on SF series) 316 stainless steel heavy duty enclosure (on SS series)