

DS switchbox Order code rev12
Explosion proof / Flame proof

A= Product & Connections (cable entry)
DS Explosion proof / Flame proof switchbox with 3/4" NPT cable entries

B= Number of open cable entries

3 3x open cable entries (standard)

C= Housing material / Surface treatment

- B Aluminium housing, polyester powdercoating, Black base & cover
W Aluminium housing, polyester powdercoating, Black base & White cover
C Aluminium housing, polyester powdercoating, Black base & Optional cover color
S Stainless Steel housing DIN 1.4408 - EN G-X 6 CrNiMo 18-10 - SAE 316 (A=DS only)

D= Shaft

- D Double 'D' Shaft 1/4"
N Namur VDI/VDE 3845 Shaft (rotary actuators)
T For NAF Turnex actuators
L D style incl. nut for linear applications

E= Indicator option

- 0 Flat top cover, no indicator
1 Flat top cover, indicator below switchbox for 90 deg (Only D = N)
U Standard Ultradome (Green / Red)
3 Four Window Ultradome
C 90° 3-Way Ultradome
D 180° 3-Way Ultradome
E 180° 3-Way Center Blocked Ultradome
F 120° Thru / Divert Ultradome
H Black / Yellow Ultradome
K Green / Red with Ektar Ultradome
R Reverse - Red = Open / Green = Close Ultradome

F= Qty of switches

- 0 0 switches (Cam assembly for 2 x M1 included)
2 2 switches
4 4 switches (Not with Dome option under E)

G= Switch options

- F3 IFM IF5250, 10-36VDC NC PNP, 150mA, 3-wire NC
F5 IFM IF6001, 18-32 VDC, PNP NO
F6 IFM IF6034, 10-36VDC, NO PNP, 150mA, Stainless steel
F7 IFM IN0074, 20-250 AC/DC, NO, 350mA/100mA
F8 IFM IN0081, 20-250 AC/DC, NO, 350mA/100mA w/LED
F9 IFM IN0097 20-250V AC/DC NO 2-Wire (H=14 only)
FC IFM IF5718, 10-36VDC NO PNP/NPN, 150mA, plastic
FG IFM IS5070 IS3004-BPKG 3 wire DC PNP 10-36 VDC NO (H=14 only)
FK IFM NS5002 IS-2002-N 2-wire NAMUR (H=14 only)
FL IFM IS5026, 2 wire 5-36 DC PNP/NPN, 4-200mA NO / NC (H=14 only)
M1 SPDT Mechanical switches 250VAC 10A SIL3 Capable
MG SPDT Mechanical - Gold Contacts SIL3 Capable
MK SPDT Mechanical switches 250VAC 10A for -55 deg C/ -67 deg F (Only H = 14) SIL3 Capable
N1 P&F NJ4-12GM40-E Proximity 3-wire NPN NO 10-60 VDC
N3 P&F SJ3.5-S1N (NAMUR) SIL3 Capable
N4 P&F NJ2-12GK-SN SIL3 Capable
N8 P&F NJ2 V3 N (NAMUR) SIL3 Capable
N9 P&F NBB3-V3-Z4
NA P&F NBN4-12GM40-E2 Inductive, 3 wires PNP NO 10-30VDC
ND P&F NCB2-12GM40-Z1 Proximity inductive 2-wire DC NC
NE P&F NCB2-12GM35-N0 NAMUR with LED
NF P&F NCN4-12GM35-N0 NAMUR with LED
NG NJ5-11-N-G SIL3 Capable
NK P&F NCN4-12GM40-Z0 Proximity 2-wire DC NO
NM NJ2-11-SN-G SIL3 Capable
NP P&F SJ3.5-N (NAMUR) SIL 3 Capable
NQ P&F NJ4-12GK-N (NAMUR) SIL 3 Capable
NR NJ4-12GM40-E1, NPN NC
NS NJ4-12GM40-E2, PNP NO
NT NJ4-12GK40-E2, PNP NO
NW P&F SJ3.5-SN (NAMUR) SIL3 Capable
P4 SPST Proximity
P5 SPDT Proximity SIL3 Capable
PE Sabre SPDT Proximity SIL3 Capable
PP Phazer SPDT Proximity SIL3 Capable
PT Phazer BRS SPST Proximity SIL3 Capable

H= Certificate

- 14 General Purpose
15 II 1 GD ATEX Ex ia IICT4 Ga / Ex ia IIIC T135°C Da IP66
18 { cCSA: Class I, Division 1, Groups B,C,D; Class II, Division 1, Groups E,F,G; Class III; T4
CSAus; Class I, Division 1, Groups A,B,C,D; Class II, Division 1, Groups E,F,G; Class III; T4
19 ATEX II 2 GD Ex d IIC T5 Gb -40°C, Ex tb IIIC T94°C Db IP66
21 IEC Ex ia
25 IEC Ex d IIC T4 Gb, Ex tb IIIC T113°C Db IP66, -40°C to +85°C
27 cCSAus IS Class I, Division 1, Groups A,B,C and D; Cl. II, Gps E, F and G; Cl. III;
28 cCSAus NI Class I, Division 2, Groups A,B,C and D; Cl. II, Gps E, F and G; Cl. III;
46 TRCU 1Ex d IIC T4 Gb / Ex tb IIIC t113°C Db

I= Product approval marking

- 0 Self-adhesive marking label, Polyester
M Stainless Steel marking plate

J= Analog Output

- 0 None
4 4-20 mA transmitter, Only G=M1, MG, N8 & F=0,2 & E=0 or 1. Not when H=15, 21, 27 & 28.
R Remote sensor option, see separate Order code

K = Terminal Options

- 2 2 Extra open terminals (Standard)
4 4 Extra open terminals (Optional, not possible for all switch options)
6 6 Extra open terminals (Optional, not possible for all switch options)

L = Options / Elastomers

- 0 Nitrile O-rings (Standard)
V Viton O-rings

M = Brand

- X Automax
P PMV
V Valtek
W Worcester

Example

Table with columns A-M and values: DS 3 B N U 2 M1 - 19 - 0 0 2 0 P

No possible combination/option

\* Adaptors and cable gland kits are available for other connections. Consult factory

Grid of checkboxes for selection, with '2x' and '4x' labels.