

S-3D SERIES LIMIT SWITCH BOX

According to ATEX directive 94/9/EC SOLDO manufactures a complete range of limit switch box suitable for use in potentially explosive atmosphere.

(HAZARDOUS AREA)

The SOLDO S-3D series limit switch box are suitable for use in zone 22 (Ex) II 3 D Ex tD A22 IP67 Txx).

(SWITCH OPTIONS)

The S-3D series can be provided with different types of switches: SPDT or DPDT electromechanical silver plated or gold plated contacts, SPDT or DPDT magnetic proximity inert gas sealed, PNP cylindrical inductive proximity.



(SB-3D SERIES)

CLASS & MATERIALS

- Water proof IP67
- Aluminium body die cromated and polyester powder coated
- Polycarbonate cover
- Stainless steel shaft

BENEFITS

- 3D two colours visual indicator
- Nos. 2 high thickness (15mm) thread cable entry (M20X1.5 or 1/2" NPT)
- Extra terminals for solenoid valve connection
- ISO F05 and Namur shaft mounting pattern
- High resolution, easy-set, independently adjustable splined cams



(SF-3D SERIES)

CLASS & MATERIALS

- Water proof IP67
- Aluminium body and cover die cromated and polyester powder coated
- Stainless steel shaft

BENEFITS

- Heavy duty metal housing
- 3D two colours visual indicator
- Twin shaft design
- Nos. 2 high thickness (15mm) thread cable entry (M20X1.5 or 1/2" NPT)
- Extra terminals for solenoid valve connection
- ISO F05 and Namur shaft mounting pattern
- High resolution, easy-set, independently adjustable splined cams



(SS-3D SERIES)

CLASS & MATERIALS

- Water proof IP67
- AISI 316 (CF8M) stainless steel body and cover
- Stainless steel shaft

BENEFITS

- Heavy duty metal housing
- 3D two colours visual indicator
- Twin shaft design
- Nos. 2 high thickness (15mm) thread cable entry (M20X1.5 or 1/2" NPT)
- Extra terminals for solenoid valve connection
- ISO F05 and Namur shaft mounting pattern
- High resolution, easy-set, independently adjustable splined cams



(SA-3D SERIES)

CLASS & MATERIALS

- Water proof IP67
- Aluminium body and cover die cromated and polyester powder coated
- Stainless steel shaft

BENEFITS

- Compact design
- Heavy duty metal housing
- No plastic parts (antistatic)
- Nos. 2 high thickness (15mm) thread cable entry (M20X1.5 or 1/2" NPT)
- Extra terminals for solenoid valve connection
- ISO F05 and Namur shaft mounting pattern
- High resolution, easy-set, independently adjustable splined cams

S-3D SERIES LIMIT SWITCH BOX



(SC-3D SERIES)

CLASS & MATERIALS

- Water proof IP67
- Aluminium body and cover die cromated and polyester powder coated
- Stainless steel shaft

BENEFITS

- Heavy duty metal housing
- Aluminium rotary disk for visual indication
- No plastic parts (antistatic)
- Twin shaft design
- Nos. 2 high thickness (15mm) thread cable entry (M20X1.5 or 1/2" NPT)
- Extra terminals for solenoid valve connection
- ISO F05 and Namur shaft mounting pattern
- High resolution, easy-set, independently adjustable splined cams

(STANDARD OPTIONS AVAILABLE - Nomenclature)

SB 01 2 0 0 - 2 - 3D

cable entry

- 1 n°2 1/2" npt
- 2 n°2 M20x1.5

colour

- 0 black
- 1 blue RAL 5015
- S stainless steel (only SS)
- E stainless steel electropolish (only SS)

terminal strip

- 0 standard PCB + extra solenoid terminals

switch quantity

- 1 to 3 according switch type

switch type

rating *

max q.ty installed

01	electromech SPDT silver plated contacts	max 5A@250VAC - 3A@24VDC min 50mA@250VAC - 50mA@24VDC	3
02	electromech SPDT gold plated contacts hermetically sealed	max 3A@250VAC - 1A@24VDC min 5mA@250VAC - 1mA@24VDC	3
03	electromech SPDT gold plated contacts	max 3A@250VAC - 1A@24VDC min 5mA@250VAC - 1mA@24VDC	3
17	electromech DPDT gold plated contacts hermetically sealed	max 0.1A@250VAC - 0.1A@24VDC min 1mA@24VDC	2
18	electromech DPDT silver plated contacts hermetically sealed	max 2A@250VAC - 2A@24VDC min 50mA@24VDC	2
C3	proximity SPST bifurcated inert gas hermetically sealed	max 1,5A@120VAC - 0,5A@24VDC (resistive/ inductive)	2
C4	proximity SPDT inert gas hermetically sealed	max 1A@120VAC - 1A@24VDC - max 25W	2
88	proximity PNP P+F NJ2-12GM40-E2-3G-3D	3 wire amplified 10-60VDC, 200mA	2
89	proximity PNP P+F NJ4-12GM40-E2-3G-3D	3 wire amplified 10-60VDC, 200mA	2
6H	proximity PNP P+F NBB2-V3-E2-3G-3D	3 wire amplified 10-30VDC, 100mA	3

- SA SA series
- BS SB series
- SC SC series
- SF SF series
- SS SS series

NOTES

Most of units can be provided with a pre-wired external connector.

For dimensional drawing consult SB, SF, SA, SC and SS bulletins.

* Resistive loads when not specified

SOLDO
CONTROLS