

ATEX SIB-TYPE SOLDO SWITCH BOXES

FEATURES

The intrinsically safe SIB-type switch box is intended for equipping quarter-turn pneumatic actuators and manual valves in hazardous areas. It makes it possible to have an easy, direct view of the valve position and of the feedback information to control. Of robust construction, it can be installed outdoors. The transparent lid allows to an instant visual comprehension of the valve position. The ATEX certified SIB (switch boxes and detectors) fits for a valve in a hazardous area environment, mode of protection intrinsically safety. The SIB switch box can be equipped with several and detectors (see below). The notched cams can be manually adjusted with great accuracy, and are insensitive to vibrations.

ATEX CLASSIFICATION

Ex II 2G Ex ia IIc T6..T4 Gb
Ex II 2D Ex ia IIc T44°C..T108°C Db IP65/67



DIRECTIVES AND MANUFACTURING STANDARDS

OBJET	Standard	ON
CEM Directive 2004/108	EN 61326-3	
BT Directive 2006/95	EN 60529 EN 60730	
ATEX Directive 2014/34	EN 60079-0 EN 60079-11	0359

LIMITS OF USE

Ambiant temperature	-20°C / +80°C
IP Code	IP 67
SIB	ATEX area 1, 2, 21, 22



MECHANICAL CONNECTION

Axis dimension	According to VDI/VDE 3845
Attachment	ISO 5211 F05
Stainless steel arches for attachment on to the actuator	<u>NAMUR 1</u> : 80x30x20 mm <u>NAMUR 2</u> : 80x30x30 mm <u>NAMUR 3</u> : 130x30x30 mm <u>NAMUR 4</u> : 130x30x50 mm

ELECTRICAL CONNECTION

Standard cable inputs	2 x M20x1.5
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Information given as an indication only, and subject to possible modifications



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Pages	1/3
Ref.	FT4747 ENG
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CONSTRUCTION

Casing	Aluminium
Lid	Resisting UV polycarbonate
Coating	Peinture polyester
Stem	Acier inoxydable

DETAIL DES CONTACTS modèle SIB

Réf.	Contact	Caractéristiques
60	Inductive proximity NAMUR sensor SJ3,5-N	2 wire NC logic (for Exia cert)
62	Inductive proximity NAMUR sensor SJ3,5-SN	2 wire NC logic (for Exia cert, safety funct. low temp)
63	Inductive proximity NAMUR sensor - SJ3,5-S1N	2 wire NO logic (for Exia cert, safety funct)
70	Inductive proximity NAMUR - NJ2-V3-N	2 wire (for Exia cert) Ex II 2 G/D EEx ia II C T6

OPTIONS

There are many options for which you are invited to contact our sales service:

	SS : stainless steel box
	3-Channel L or T indicators
L	<u>LT</u> : version -40°C (according to the type of switch)
M	<u>LT 1</u> : version -50°C (according to the type of switch)
1	Cable inputs 1/2" NPT
	Pilot-solenoid valve wiring
G	EAC Certificate
U	UL Certificate

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