

ATEX SY-TYPE SOLDO SWITCH BOXES

FEATURES

The explosion-proof SK-type switch box is intended for equipping quarter-turn pneumatic actuators and manual valves in hazardous area. 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 position indicator provides a very good visual reading of the valve position. The ATEX certified SK (Explosion proof) fits for a valve in a hazardous area. The ATEX SK switch box can be equipped with many switches and detectors (see below). The notched cams can be manually adjusted with great accuracy, and are insensitive to vibrations.

ATEX and IEC CLASSIFICATION

Ex II 2 GD Ex db IIC T4/T5/T6

Ex tb IIIC T140°C/110°C/110°C Db IP68



DIRECTIVES AND MANUFACTURING STANDARDS

OBJET	Standard	ON
CEM Directive 2004/108	EN 61326-1	
BT Directive 2006/95	EN 60529 EN 60730	
ATEX Directive 2014/34	EN 60079-0 EN 60079-11 EN 60079-31	SIRA 0359



LIMITS OF USE

Ambiant temperature	-20°C / +80°C
Ambiant temperature	-20°C / +70°C
IP Code	IP 68
Hazardous area	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

Information given as an indication only, and subject to possible modifications

	SECTORIEL S.A. 45 rue du Ruisseau 38290 SAINT QUENTIN-FALLAVIER – FRANCE Tél : +33 4 74 94 90 70 - Fax : +33 4 74 94 13 95 www.sectoriel.com / Email : sectoriel@sectoriel.fr	Pages	1/3
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ELECTRICAL CONNECTION

Standard cable inputs	2 x M25 x 1,5 2 x 1/2" NPT
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CONSTRUCTION

Casing and lid	Aluminium
Coating	Polyester paint
Stem	Stainless steel
Dome	Polycarbonate

SWITCH DETAILS SY model

Réf.	Switch	Features
01	SPDT el.mech. switch silver plated contacts	Max 5A-250Vac / min 50mA-250Vac Max 5A-125Vac / min 50mA-125Vac Max 3A-24Vdc / min 50mA-24Vdc
1F	DPDT el.mech. switch silver plated contacts	
C4	SPDT magnetic hermetically sealed reed switch.	Max 0,1A-120Vac / 1A-24Vdc
C8	DPDT magnetic hermetically sealed reed switch.	Max 0,1A-120Vac / 1A-24Vdc
N1	SPDT magnetic hermetically sealed silver plated snap acting contacts	Max 5A-250Vac / 5A-28Vdc
N4	DPDT magnetic hermetically sealed silver plated snap acting contacts	Max 5A-250Vac / 5A-28Vdc
32	Détecteur prox. NO (+70°C max) - NBN4-12GM40-ZO	P+F – 2 fils amplifié 5-60 Vcc, 100 mA
73	Inductive proximity sensor (+70°C max.) - NBB2-V3-E2	P+F - 3 wire PNP NO amplified 10-30 Vdc, 100 mA
83	Inductive proximity sensor - NBB3-V3-Z4	P+F - 2 wire NO amplified 5-60 Vdc, 100 mA
TO	4-20 mA position transmitter	12-30 Vdc
HO	4-20 mA HART position transmitter	Atex Ex ia IIC T6 / T4 – certified 8-30Vdc
PO	Partial stroke test device with activation	Remote or local magnetic key activation
ATEX II 2G Ex d IIC T6-T4 and II 2D Ex td B21 T110/110/140°C IEC Ex Ex d IIC T4/T5/T6 Gb and Ex tb IIIC T140°C/110°C/110°C Db		

OPTIONS

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

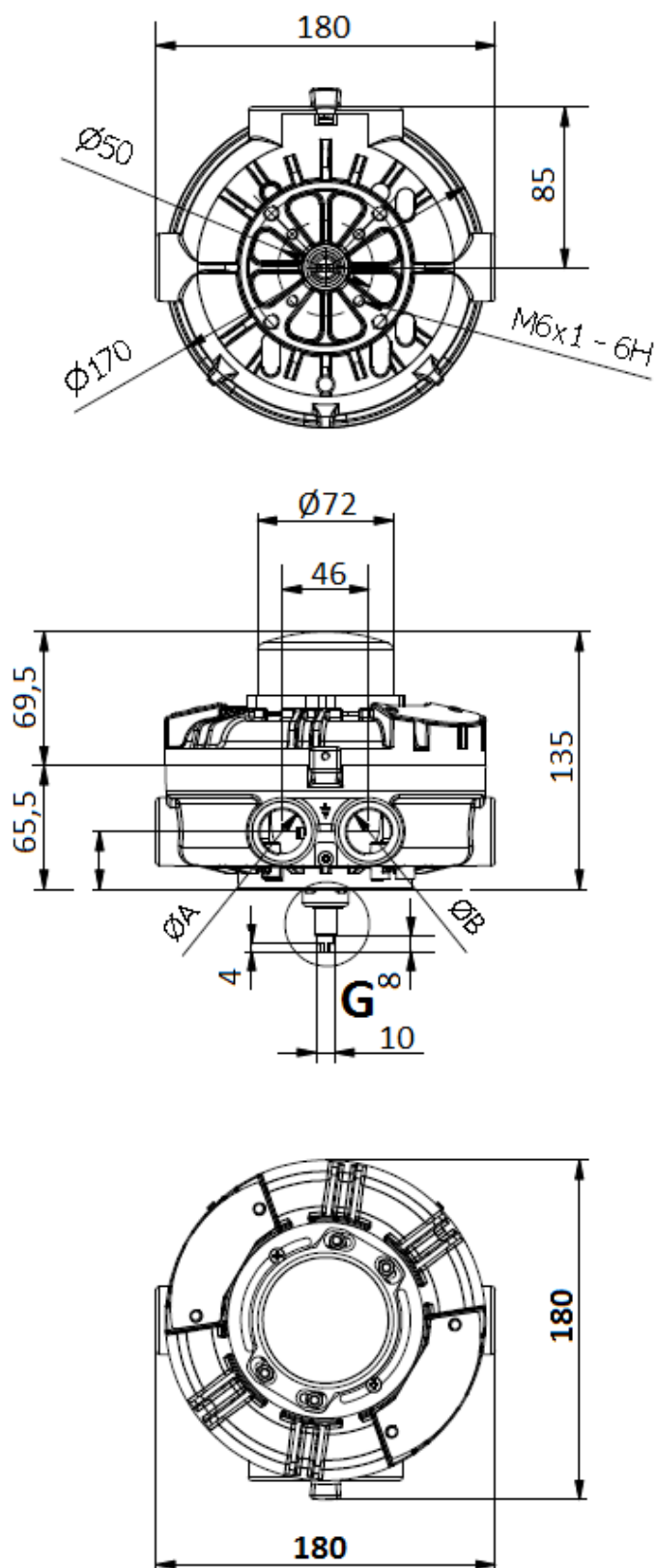
	SW : stainless steel box
	3-Channel L or T indicators
L	LT : version -40°C (according to the type of switch)
P	LT 1 : version -55°C (according to the type of switch)
1	Cable inputs M20 x 1,5
G	EAC Certificate
U	UL Certificate

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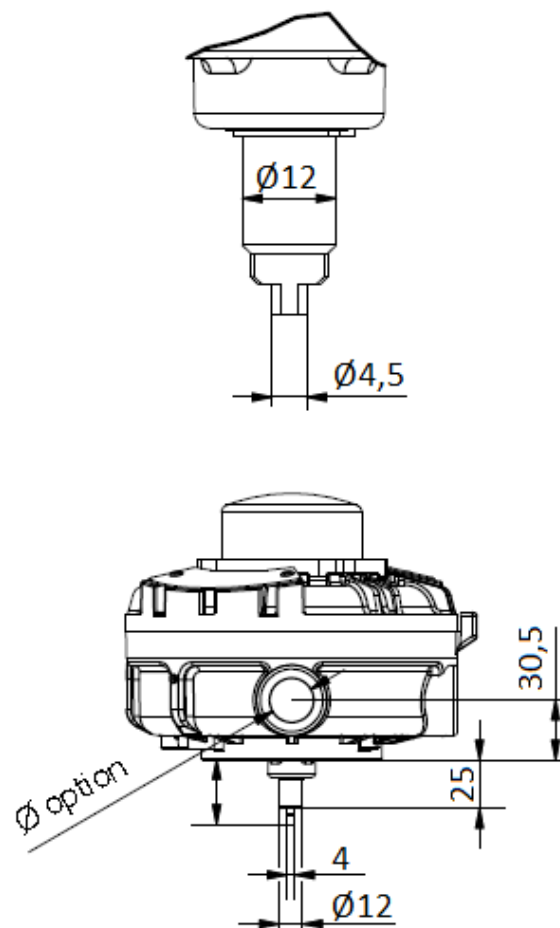
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DIMENSIONS (mm)



Detail : G



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