

ATEX SK-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 d IIC T6/T5/T4 Gb

Ex tb IIIC T85/100/135 Db IP67



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 67
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> : 80x30 mm <u>NAMUR 2</u> : 80x30 mm <u>NAMUR 3</u> : 130x30 mm <u>NAMUR 4</u> : 130x30 mm <u>Height of axis</u> : 20, 30, 40, 50

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



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ELECTRICAL CONNECTION

Standard cable inputs	2 x 1/2" NPT
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CONSTRUCTION

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

SWITCH DETAILS SF model

	Réf.	Switch	Features
ATEX et IEC Ex II 2GD Ex d IIC T6 T5 T4 Ex tb IIIC	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
	03	SPDT el.mech. switch gold plated contacts (for Exia cert)	Max 1,8A/3A-250Vac / min 5mA-250Vac Max 2A/3A-125ac / min 5mA-125Vac Max 1,2A/1,5A-24Vdc / min 1mA-24Vdc
	1F	DPDT el.mech. switch silver plated contacts	
	C4	SPDT 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
	N3	SPDT magnetic hermetically sealed gold plated snap acting contacts	Max 1A-250Vac / 1A-30Vdc
	N4	DPDT magnetic hermetically sealed silver plated snap acting contacts	Max 5A-250Vac / 5A-28Vdc
	70	Inductive proximity NAMUR - NJ2-V3-N	2 wire (for Exia cert)
	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 amplified 5-60 Vdc, 100 mA

OPTIONS

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

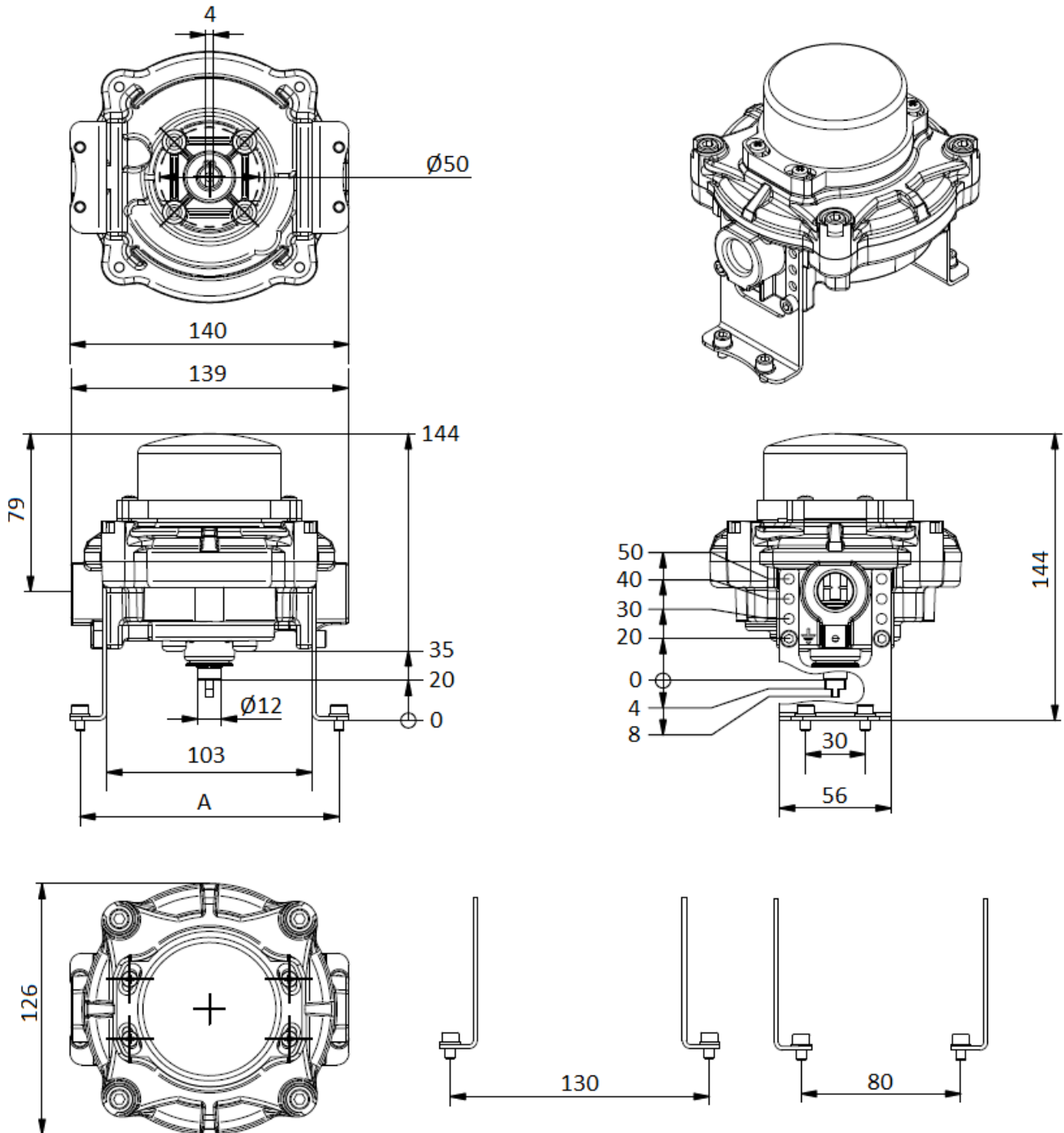
	SQ : stainless steel box
	3-Channel L or T indicators
L	LT : version -40°C (according to the type of switch)
P	LT 1 : version -55°C (according to the type of switch)
1	Cable inputs M20 x 1,5
G	EAC Certificate
U	UL Certificate

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DIMENSIONS (mm)



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