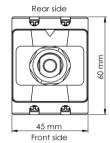
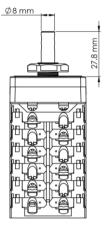
XB3610/2

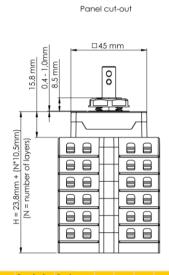
12.1mm

Certified for IEC 60947 1&3 DC21B and CCC (CQC)

+ -santon



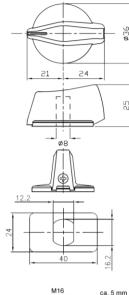




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16.2

6





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3	I
C	2

echnical data	Symbol	Ratings:		1	н —	- 10		IV		V	Unit	
Rated operational voltage	Ue		1000	8	50	800	e	650		400	V dc	La
Rated operational current	le		16		20	25		30		45	A dc	- I
Required fine wire cross-section	on (minimal)*:			2,5	4,0	4,0		6,0		10,0	mm ²	
*IEC60947-1, table 9												
Number of DC poles										6		
Utilization category DC									DC	-21B		
Pollution degree										2		
IP rating terminals										IP20		
Tightening torque terminal scr	ews M4 (min	max.)						1,5	-	1,7	Nm	
Method of mounting												М
IP rating of the shaft in case of	single hole and	l four hole p	oanel moui	nting						IP65		In
Tightening torque panel moun	ting nut (min.	- max.)						2,0	-	2,5	Nm	to
Panel thickness between								1	-	4	mm	ch
Positions			:	12 (OFF) an	d 3 o'c	lock (ON	1)					bu
Actuator			:	Standard A	knob v	vith long	g screv	v to f	fix in	shaft		be
Method of operation				Independer	it man	ual oper	ation					
Actuator operation force (max	.)									1,4	Nm	
Tightening torque M3 screw in	the actuator (min max.)						0,2	-	0,4	Nm	M Tł
Rated impulse withstand volta	ge			Uimp						8	kV	ac
Insulation voltage			I	Ui						850	V	- (
Rated thermal current uninter	rupted duty			u						45	А	Tł
Rated short-time withstand cu	rrent (1s)			cw						700	А	lo
Rated short-circuit making cap	acity			cm						1,4	kA	- E
Rated conditional short-circuit	current			SC						5	kA	cle
Minimum required dimension	s of enclosures	L x W x D* {	space enve	lope}		124	x	47	х	106	mm	
* see the drawing for the heigh	nt of the switch	. The numb	er of layers	N is:						6		
Weight									ca.	262	g	Co
Allowed ambient temperature	(min max.)		-	T _{ambient}				-40	-	70	°C	Tł
Allowed storage temperature	(min max.)			T _{storage}				-40	-	85	°C	Th
Relative humidity (max.), with	. ,											

Recommend Manufacturer	Type number	Wire size (AWG)	Wire size (mm ²)	Color
JST	FVD2-YS4A	AWG 16 – AWG 14	1,0 – 2,5 mm²	Blue
TE connectivity	C-165012	AWG 16 – AWG 14	1,0 – 2,5 mm²	Blue
Vogt	3635c	AWG 16 – AWG 14	1,5 – 2,5 mm²	Blue
TE connectivity	C-165015	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
Vogt	3652c / 3653c	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
Santon (JST)	52A1256.35	AWG 8 - AWG 10	10,5mm ² -16mm ² * ¹	*2

Layer	Front	t Side	Symbol	Rear	Positions				
No.	Left	Right	Symbol	Left	Right	1	2	3	4
7			_						
6	-3			3		Т			0
5		+3 -		-	+3	1			0
4	+2	-		+2		Т			0
3		-2 -		-	-2	Т			0
2	-1			· -1		Т			0
1		+1 ·			+1	Т			0
(I = Contact is closed, O = Contact is open)									

unting instructions

the application all ratings according to the datasheet have be respected. After mounting, the wiring must be ecked and the switch must operate smoothly. When Iding the switch in an enclosure, the space envelope must respected according to the applicable standards.

intenance

X type switches are designed for a very long life but it is vised to do some simple yearly maintenance.

neck the installation for signs of overload or overheating. terminals may not exceed the limit of 85oC under full d.

operating the switch a few times (5x) the contacts will an themselves and the switch will have a longer life.

nnection

terminals, can take copper wires up to 6 mm2. recommended Spade Tongue Terminals may have a maximum width of 9 mm (see table for recommendations)

*1 16mm² only with fine stranded wire (or two times 6mm²)

*² Optional: A yellow finger safe sleeve for the Spade Tongue Terminal (Santon 52A1256.35) can be ordered under item number 52A1564.00

Superior Switch Solutions

JD Auspice Co.,Ltd.

XB3610-2 (131115 1458)

FAX: 886-2-2595-9412 TEL: 886-2-2595-9780 service@jdauspice.com www.jdauspice.com