THE NEW SANTON X-TYPE SWITCH

TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: X6

X60.16B4-(A)



V dc A dc

Switch disconnector for solar application according to IEC 60947-1&3



auxiliary contact, nominal current 16A at 250 V, AC15

weight accessories

						2				
	Contact scheme				Positions					
	Marking	Symbol	Marking			3	4			
12		-/-								
11		-/-								
10		-/-								
9		-/-								
8		-/-								
7		-/-								
6		-/-								
5		-/-								
4	+2	-/-	+2		X		X			
3	-2	-/-	-2		Х		X			
2	-1	-/-	-1		X		X			
1	+1	-/-	+1		Х		Х			

Contacts are made in "X" marked position.

Symbols for interconnection: [1

Technical data	Symbol	
nominal voltage (DC poles)	Ue	60
nominal current (DC poles)	le	1
nominal voltage (second rating DC noles, if requested)	Ue	

nominal voltage (second rating DC poles, if requested)

nominal current (second rating DC poles, if requested)

method of mounting

Ue

V dc

A dc

DIN rail and or Base mounting [B]

 number of DC poles
 4

 utilization category DC
 DC-21B

 actuator
 without a knob, suitable for standard black knob [A]

 positions
 OFF at 3 hr, ON at 6 hr, OFF at 9 hr, ON at 12 hr

 rated impulse withstand voltage
 Uimp
 8
 kV

 insulation voltage
 Ui
 600
 V

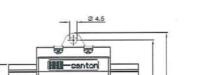
16 rated thermal current uninterrupted duty 480 rated short-time withstand current (1s) 1,4 rated short-circuit making capacity Icm rated conditional short-circuit current max. cut-off current W 1,6 max power dissipation independent manual operation method of operation minimum required dimensions of enclosures I x w x h* 124 x 47 x 74

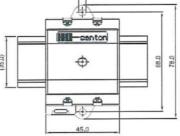
* see the drawing for the height of the switch. The nun	nber of layers H is:		4	
terminal screws M4 need a tightening torque, min ma	ax.	1,5	1,7	Nm
tightening torque screw in the standard black knob, mi	n max.	2,0	2,5	Nm
minimum required fine wire cross-section: IEC60947-1, table 9			2,5	mm ²
ambient temperature allowed between		- 5	°C	
storage temperature allowed between		- 40 and + 80		°C
maximum relative humidity, without condensation at 20°C			90	%
pollution degree			2	
IP rating terminals			IP20	
IP rating gland of the shaft in case of single hole panel r	mounting			
nominal voltage (AC poles)	Ue		0	V AC
nominal current (AC poles)	le		0	A AC
number of DC poles			0	

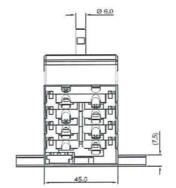
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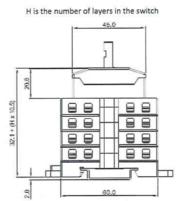
221

No auxiliary contact









95,1

Mounting instructions

In the application all ratings have to be respected. When building the switch in an enclosure, the space envelope must be respected. The terminals can take flexible wires up to 6 mm² and fork shoes for wires up to 10 mm² (type 3547C from Vogt). After mounting, the wiring must be checked and the switch must operate smoothly.

Maintenanc

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

- Check the installation for signs of overload or overheating. The terminals may not exceed the limit of 85°C under full load
- By operating the switch a few times (5x) the contacts will clean themselves and the switch will have a longer life.

Dimensions, specifications and data shown could be subject to change without notice.

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