## THE NEW SANTON X-TYPE SWITCH

- santon

## ECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH:

X85.16B6E-A

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

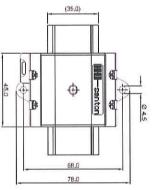


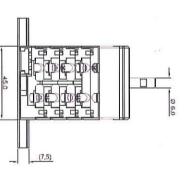
				The second secon		1
		×	+1	1	±	1
		×	4	1/1	4	2
		×	-2	1	-2	ω
		×	+2	1/1	+2	4
		×	+3	   	÷	vi
		×	ι'n	1	ώ	6
				1		7
				1		00
				1/1		9
(C)				1		10
				1		11
				1/1		12
4	2	_	Marking	Symbol	Marking	
ons	OSIE		e	ontact scnem		150

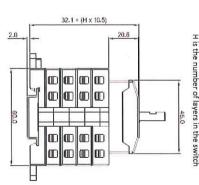
Contacts are made in "X" marked position. Symbols for interconnection: [ ]

		0	
		0	accessories:
0rq	284		weight
		No auxiliary contact	auxiliary contact, nominal current 16A at 250 V, AC15
	0		number of DC poles
A AC	0	le	nominal current (AC poles)
VAC	0	Ue	nominal voltage (AC poles)
		ng	IP rating gland of the shaft in case of single hole panel mounting
	IP20		IP rating terminals
	2		pollution degree
%	90		maximum relative humidity, without condensation at 20°C
o.	20 and + 70	- 20	storage temperature allowed between
°C	5 and + 40	٠. ٢	ambient temperature allowed between
mm <sup>2</sup>	2,5	9	minimum required fine wire cross-section: IEC60947-1, table 9
N N	2,5	x. 2,0	tightening torque screw in the standard black knob, min max
EN EN	1,7	1,5	terminal screws M4 need a tightening torque, min max.
	ω	layers H is:	* see the drawing for the height of the switch. The number of layers H
mm	124 x 47 x 98	124	minimum required dimensions of enclosures I x w x h*
	on	independent manual operation	method of operation
8	2,5		max power dissipation
Ś			max. cut-off current
K	U		rated conditional short-circuit current
ΚĀ	1,4	lcm	rated short-circuit making capacity
A	480	lcw	rated short-time withstand current (1s)
A	16	Īu	rated thermal current uninterrupted duty
<	1000	Ci	insulation voltage
k۷	00	Uimp	rated impulse withstand voltage
	1000	OFF at 12 hr, ON at 3 hr [E]	positions
		standard black [A]	actuator
	DC-21B		utilization category DC
	0		number of DC poles
	g [B]	DIN rail and or Base mounting [B]	method of mounting
A dc		le	nominal current (second rating DC poles, if requested)
V dc		Ue	nominal voltage (second rating DC poles, if requested)
A dc	16	le	nominal current (DC poles)
V dc	850	Ue	nominal voltage (DC poles)
Unit		Symbol	Technical data

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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.

## Maintenance

- 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
- 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.