## THE NEW SANTON X-TYPE SWITCH

12

11

10

9

8

7

6

5

4

3

2

1

+2

-2

-1

+1

## SANTON X-TYPE SWITCH: X60.16P4E-(A)

4

Positions

Contact scheme

\_/\_

-/-

\_/\_

\_/\_

-/-

\_/\_

\_/\_

\_\_\_\_ \_/\_

\_/\_

-/-

\_/\_

Marking Symbol Marking 1 2 3 4

+2

-2

-1

+1

Х

Х

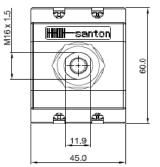
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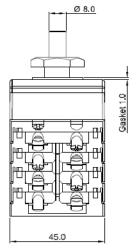
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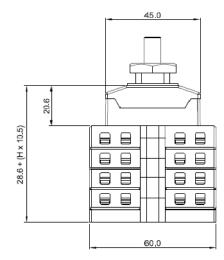
Switch disconnector for solar application according to IEC 60947-1&3



A AFTER A	Contacts are made in "X" marked position. Symbols for interconnection:			
Technical data	Symbol	Unit		
nominal voltage (DC poles)	Ue		600	V dc
nominal current (DC poles)	le		16	A dc
nominal voltage (second rating DC poles, if requested)	Ue			V dc
nominal current (second rating DC poles, if requested)	le			A dc
method of mounting		single hol	e mour	nting IP65 [P]
number of DC poles			4	
utilization category DC		D	C-21B	
actuator	without a knob, sui	table for star	ndard b	lack knob [A
positions	OFF at 12 hr, ON at	3 hr [E]		
rated impulse withstand voltage	Uimp		8	kV
insulation voltage	Ui		600	V
rated thermal current uninterrupted duty	lu		16	А
rated short-time withstand current (1s)	lcw		480	А
rated short-circuit making capacity	Icm		1.4	kA
rated conditional short-circuit current			4	kA
max. cut-off current				kA
max power dissipation			1.6	W
method of operation	independent manu	al operation		
minimum required dimensions of enclosures I x w x h*		124 x 4	7 x 74	mm
* see the drawing for the height of the switch. The number o	f lavers H is:		4	
terminal screws M4 need a tightening torque, min max.	.,	1.5	1.7	Nm
tightening torque screw in the standard black knob, min ma	ax.	2.0	2.5	Nm
minimum required fine wire cross-section: IEC60947-1, table		-	2.5	mm²
ambient temperature allowed between		- 5 an	d + 40	°c
storage temperature allowed between		- 40 an		°C
maximum relative humidity, without condensation at 20°C			90	%
pollution degree			2	<i>,</i> ,,
IP rating terminals			IP20	
IP rating commands IP rating gland of the shaft in case of single hole panel mount	ting		IP65	
nominal voltage (AC poles)	Ue		0	V AC
nominal current (AC poles)	le		0	A AC
number of DC poles			0	
auxiliary contact, nominal current 16A at 250 V, AC15	No auxiliary contac	t	0	
weight	iso auxiliar y contac	L	221	σ
accessories:			221	g
allesson ies.			_	
		4111111	- 444	santo







## 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 mm<sup>2</sup> and fork shoes for wires up to 10 mm<sup>2</sup> (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 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.