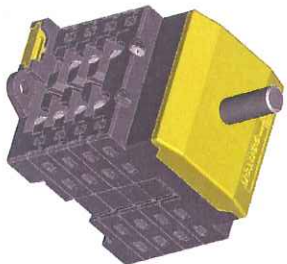
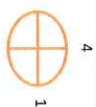


# THE NEW SANTON X-TYPE SWITCH

## TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: X75.25B4E-A

Switch disconnector for solar application according to IEC 60947-1:83

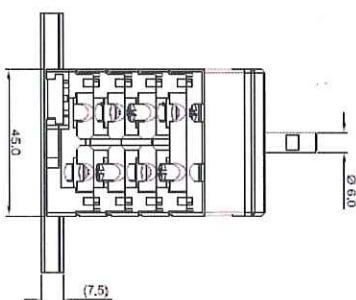
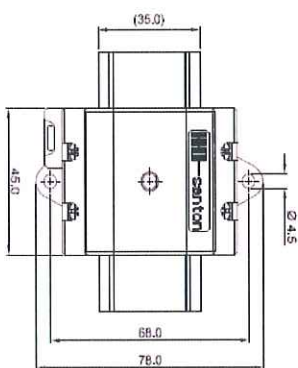


Contact scheme				Positions			
Marking	Symbol	Marking	1	2	3	4	
12	—/—						
11	—/—						
10	—/—						
9	—/—						
8	—/—						
7	—/—						
6	—/—						
5	—/—						
4	+2 —/—	+2	X				
3	-2 —/—	-2	X				
2	-1 —/—	-1	X				
1	+1 —/—	+1	X				

Contacts are made in "X" marked position.

Symbols for interconnection: {}

Technical data			
nominal voltage (DC poles)	Ue	750	V dc
nominal current (DC poles)	Ie	25	A dc
nominal voltage (second rating DC poles, if requested)	Ue		V dc
nominal current (second rating DC poles, if requested)	Ie		A dc
method of mounting			
number of DC poles		4	
utilization category DC		DC-21B	
actuator			
positions		standard black [A] OFF at 12 hr, ON at 3 hr [E]	
rated impulse withstand voltage	Uimp	8	kV
insulation voltage	Ui	1000	V
rated thermal current uninterrupted duty	Ith	25	A
rated short-time withstand current (1s)	Icw	750	A
rated short-circuit making capacity	Icm	1,4	kA
rated conditional short-circuit current		5	kA
max. cut-off current			kA
max power dissipation		4,0	W
method of operation			
minimum required dimensions of enclosures l x w x h *		124 x 47 x 77	mm
* see the drawing for the height of the switch. The number of layers H is:		3	
terminal screws M4 need a tightening torque, min. - max.		1,5 1,7	Nm
tightening torque screw in the standard black knob, min. - max.		2,0 2,5	Nm
minimum required fine wire cross-section: IEC60947-1, table 9		4	mm <sup>2</sup>
ambient temperature allowed between		- 5 and + 40	°C
storage temperature allowed between		- 20 and + 70	°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 mounting			
nominal voltage (AC poles)	Ue	0	V AC
nominal current (AC poles)	Ie	0	A AC
number of DC poles		0	
auxiliary contact, nominal current 16A at 250 V, AC15		No auxiliary contact	
weight		221	g
accessories:		0	



H is the number of layers in the switch

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 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.