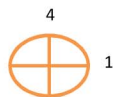
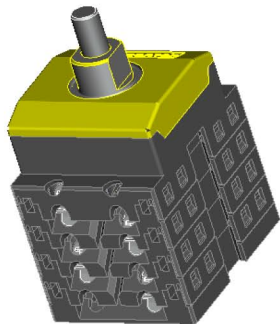


TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: X100.25P4E-A



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

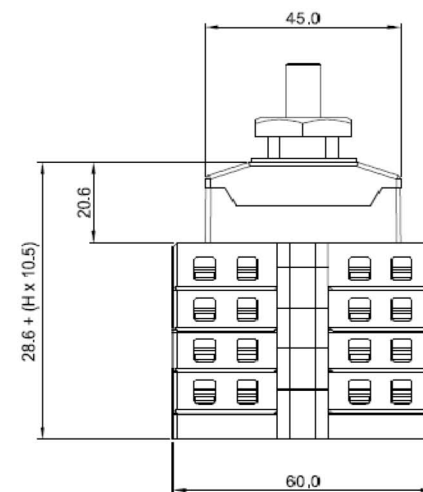
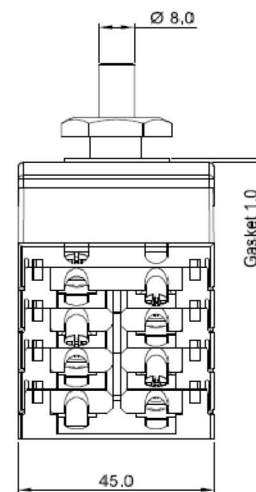
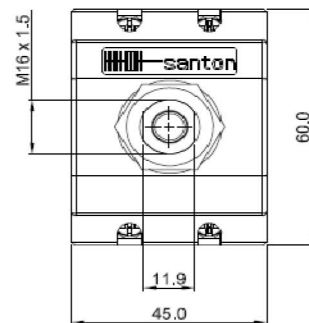


1	Contact scheme		Positions				
	Marking	Symbol	Marking	1	2	3	4
1		— / —	+2	X			
2		— / —	+2	X			
3	-2	— / —	-2	X			
4	-1	— / —	-1	X			
5		— / —	+1	X			
6		— / —	+1	X			
7		— / —					
8		— / —					
9		— / —					

Contacts are made in "X" marked position.

Symbols for interconnection: []

Technical data	Symbol	Unit
nominal voltage	Ue	1000 V
nominal current	Ie	25 A
method of mounting	single hole mounting IP65 [P]	
number of poles		4
utilization category		21
actuator	standard black [A]	
positions	0 at 12 hr, 1 at 3 hr [E]	
rated impulse withstand voltage	Uimp	8 kV
insulation voltage	Ui	1000 V
rated thermal current uninterrupted duty	Iu	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		2,6 W
method of operation	independent manual operation	
minimum required dimensions of enclosures l x b x h*	124 x 47 x 93	mm
* see the drawing for the height of the switch. The number of layers is	H	6
terminal screws M4 need a tightening torque, min. - max.	1,5	1,7 Nm
tightening torque panel mounting nut, min. - max.	2,0	2,5 Nm
tightening torque screw in standard black knob, min. - max., min. - max.	0,5	0,7 Nm
minimum required fine wire cross-section: IEC60947-1, table 9		4 mm ²
ambient temperature allowed between	- 5 and + 40	°C
storage temperature allowed between	- 10 and + 70	°C
maximum relative humidity, without condensation		90 %
pollution degree		2
IP rating terminals	IP20	
IP rating gland of the shaft in case of single hole panel mounting	IP65	
auxiliary contact, nominal current at 250 V, AC15	No auxiliary contact	
weight		284 g
accessoires:	0	



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 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.