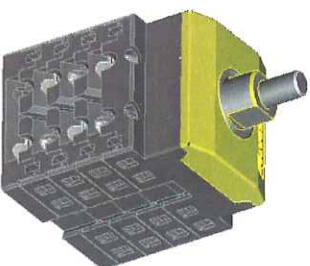
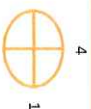


# THE NEW SANTON X-TYPE SWITCH

## TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

**SANTON X-TYPE SWITCH: X100.25P6E-(A)**

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

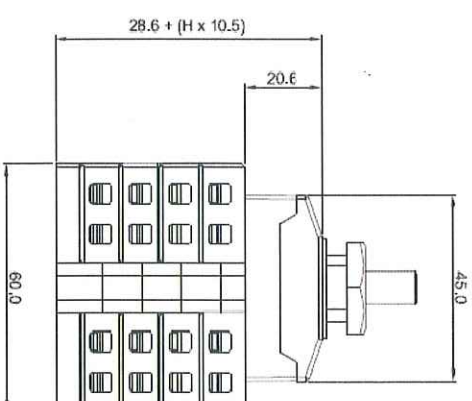
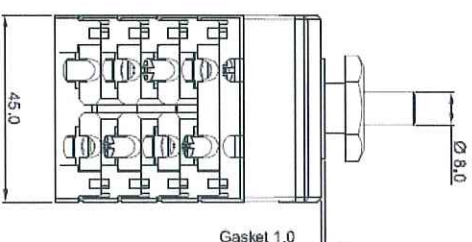
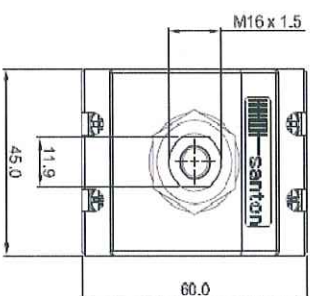


Marking	Contact scheme		Positions			
	Symbol	Marking	1	2	3	4
12	—/—					
11	—/—					
10	—/—					
9	—/—	-3				
8	—/—	-3				
7	—/—	+3				
6	—/—	+2				
5	—/—	+2				
4	—/—	-2				
3	—/—	-1				
2	—/—	+1				
1	—/—	+1				

Contacts are made in "X" marked position.

Symbols for interconnection: [ ]

Technical data	Symbol	Unit
nominal voltage (DC poles)	Ue	1000 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		single hole mounting IP65 [p]
number of DC poles		6
utilization category DC		DC-21B
actuator		without a knob, suitable for standard black knob [A] OFF at 12 hr, ON at 3 hr [E]
positions		8 kV
rated impulse withstand voltage	Uimp	1000 V
insulation voltage	Ui	25 V
rated thermal current uninterrupted duty	Ith	750 A
rated short-time withstand current (1s)	Icw	1,4 kA
rated short-circuit making capacity	Icm	9 kA
rated conditional short-circuit current		9,0 kA
max. cut-off current		9,0 W
max power dissipation		independent manual operation 124 x 47 x 126,5 mm
method of operation		9
minimum required dimensions of enclosures l x w x h *		1,5 1,7 Nm
* see the drawing for the height of the switch. The number of layers H is:		2,0 2,5 Nm
terminal screws M4 need a tightening torque, min. - max.		4 mm²
tightening torque screw in the standard black knob, min. - max.		-5 and +40 °C
minimum required fine wire cross-section: IEC60947-1, table 9		-20 and +70 °C
ambient temperature allowed between		90 %
storage temperature allowed between		2
maximum relative humidity, without condensation at 20 °C		IP20
pollution degree		IP65
IP rating terminals		0 V AC
IP rating gland of the shaft in case of single hole panel mounting		0 AAC
nominal voltage (AC poles)	Ue	0
nominal current (AC poles)	Ie	0
number of DC poles		No auxiliary contact, (0 contactbrug type 16 A)
auxiliary contact, nominal current 16A at 250 V, AC15		384 g
weight		g
accessories:		



### 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.