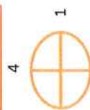
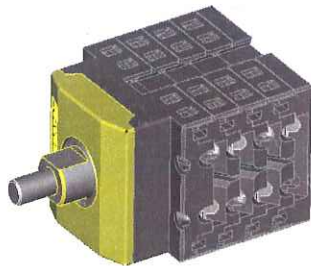


THE NEW SANTON X-TYPE SWITCH

TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: X100.25PL6E-(A)

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



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

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] long gland
number of DC poles		6
utilization category DC		DC-21B
actuator		without a knob, suitable for standard black knob [A]
positions		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	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		9 kA
max. cut-off current		kA
max power dissipation		9.0 W
method of operation		independent manual operation
minimum required dimensions of enclosures l x w x h *		124 x 47 x 126.5 mm
* see the drawing for the height of the switch. The number of layers H is:		9
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 ²
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		IP65
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, (0 contactbrug type 16 A)
weight		384 g
accessories:		