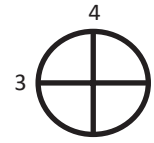




Data Sheet Santon X-Type switch X80.25R6H-A

Switch disconnecter for solar application according to
Test in preparation according to: IEC 60947-1&3 by KEMA



Terminals Scheme									
Layer No.	Front Side		Symbol	Rear Side		On Positions			
	Left	Right		Left	Right	1	2	3	4
			— / —						
			— \ —						
			— / —						
			— \ —						
			— / —						
			— \ —						
			— / —						
			— \ —						
6	-3		— / —	-3					X
5		+3	— \ —		+3				X
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	Symbol	Merit	Unit
rated operational voltage (DC poles)	Ue		800 V dc
rated operational current (DC poles)	Ie		25 A dc
rated operational voltage (second rating DC poles, if requested)	Ue		600 V dc
rated operational current (second rating DC poles, if requested)	Ie		40 A dc
rated operational voltage (third rating DC poles, if requested)	Ue		V dc
rated operational current (third rating DC poles, if requested)	Ie		A dc
method of mounting		reverse single hole mounting IP65 [R] terminals access from bottom side	
number of DC poles			6
utilization category DC	DC-21B		
actuator		standard black [A]	
positions		OFF at 9 hr, ON at 12 hr [E]	
rated impulse withstand voltage	Uimp		8 kV
insulation voltage	Ui		1000 V
rated thermal current uninterrupted duty	Iu		40 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 power dissipation			3,8 W
method of operation		independent manual operation	
minimum required dimensions of enclosures L x W x H*			124 x 47 x 95 mm
* see the drawing for the height of the switch. The number of layers N is:			6
tightening torque terminal screws M4 , min. - max.		1,2	1,3 Nm
tightening torque panel mounting nut, min. - max.		2,0	2,5 Nm
tightening torque M3 screw in the standard black knob, min. - max.		0,5	0,7 Nm
minimum required fine wire cross-section: IEC60947-1, table 9			2x6 mm ²
ambient temperature allowed between			- 25 to + 70 °C
storage temperature allowed between			- 40 to + 80 °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
rated operational voltage (AC poles)	Ue		V ac
rated operational current (AC poles)	Ie		A ac
number of AC poles (for general use)			
auxiliary contact(s), Ac15			No auxiliary contact
auxiliary contact ratings			
weight	-		284 g
accessories:	-		