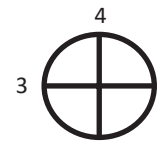
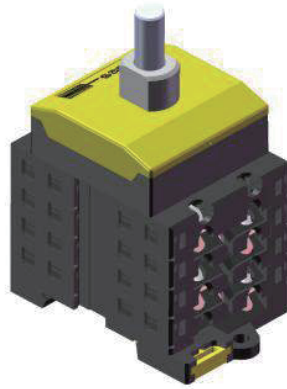




# Data Sheet Santon X-Type switch X80.25D8H-D

Switch disconnecter for solar application according to IEC 60947- by KEMA



Terminals Scheme									
Layer No.	Front Side		Symbol	Rear Side		On Positions			
	Left	Right		Left	Right	1	2	3	4
9	+4			+4					X
8		-4			-4				X
7	-3			-3					X
6		+3			+3				X
5	+2			+2					X
4		-2			-2				X
3	-1			-1					X
2		+1			+1				X
1			empty						

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		V dc
rated operational current (second rating DC poles, if requested)	Ie		A dc
method of mounting	both bottom and single hole mounting [D]		
number of DC poles	8		
utilization category DC	DC-21B		
actuator	standard black, with thread through the shaft [D]		
positions	OFF at 9 hr, ON at 12 hr [H]		
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
resistance per contact		0,5	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 N is:	9		
Shaft length			mm
Enclosure depth from inside bottom to outside top, required for the switch and knob			159,5 mm
tightening torque terminal screws M4 , min. - max.	1,5	1,7	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			4 mm <sup>2</sup>
ambient temperature allowed between			- 20 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			
auxiliary contact(s), AC15	No auxiliary contact		
auxiliary contact ratings			
weight	-	384	g
accessories:	-		