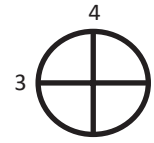




# Data Sheet Santon X-Type switch X80.25R4H-A

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	
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		V dc
rated operational current (second 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			4
utilization category DC	DC-21B		
actuator	standard black [A]		
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
max power dissipation			3,5 W
method of operation	independent manual operation		
minimum required dimensions of enclosures L x W x H*			124 x 47 x 74 mm
* see the drawing for the height of the switch. The number of layers N is:			4
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			4 mm <sup>2</sup>
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	-		221 g
accessories:	-		