THE NEW SANTON X-TYPE SWITCH

TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: IEC 60947-1&3 Switch disconnector for solar application according to X85.16DL6E-A

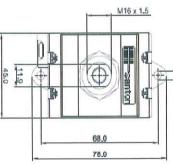


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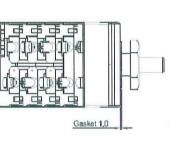
Technical data	Symbol	Unit		
nominal voltage (DC poles)	Ue		850	V dc
nominal current (DC poles)	le		16	A dc
nominal voltage (second rating DC poles, if requested)	Ue			V dc
nominal current (second rating DC poles, if requested)	ē			A dc
method of mounting	both bottom and single hole mounting [D] long gland	single hole mou	nting [C) long gland
number of DC poles			σ	
utilization category DC		DC-	DC-21B	
actuator	standard black [A]			
positions	OFF at 12 hr, ON at 3	at 3 hr [E]		
rated impulse withstand voltage	Uimp		00	kV
insulation voltage	U		850	<
rated thermal current uninterrupted duty	ī		16	Α
rated short-time withstand current (1s)	lcw		480	Þ
rated short-circuit making capacity	lcm		1,4	S
rated conditional short-circuit current			UI	kA
max. cut-off current				Ŕ
max power dissipation			2,2	8
method of operation	independent manual operation	ual operation		
minimum required dimensions of enclosures I x w x h*		124 × 47 × 105,5	05,5	mm
* see the drawing for the height of the switch. The number of layers H is:	f layers H is:		7	
tightening torque terminal screws M4, min max.		1,5	1,7	N _N
tightening torque panel mounting nut, min max.		2,0	2,5	Nm
tightening torque screw in the standard black knob, min max.	ax.	0,5	0,7	Nm
minimum required fine wire cross-section: IEC60947-1, table 9	9		2,5	mm ²
ambient temperature allowed between		- 5 and + 40	+ 40	°C
storage temperature allowed between		- 40 and + 80	+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	ing			
nominal voltage (AC poles)	Ue		0	VAC
nominal current (AC poles)	ō		0	AAC
number of DC poles			0	
auxiliary contact, nominal current 16A at 250 V, AC15	No auxiliary contact	ict .		
weight			315	ď
accessories:	81			

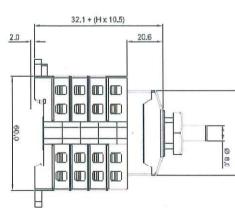
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H is the number of layers in the switch





Mounting instructions

Tongue Terminals must be used. The registration numbers are UL: E13288 and CSA: LR7189 (for instance type 165015 from Tyco). After mounting, the wiring must be checked and the switch must operate smoothly. Spade Tongue Terminals may have a maximum width of 9 mm. For CSA and UL applications, registered Spade must be respected. The terminals, without interconnection can take copper wires up to 6 mm². The recommended In the application all ratings have to be respected. When building the switch in an enclosure, the space envelope

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

- 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.