THE NEW SANTON X-TYPE SWITCH

TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: X60.16R4E-A-25.20.2



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



	Cor	Contact scheme			Positions			
	Marking	Symbol	Markin	g 1	2	3	4	
12		-/-						
11		-/-						
10		-/-						
9		-/-						
8		-/-						
7	D	-/-	С	Х				
6	В	-/-	Α	Х				
5		Empty						
4	+2	-/-	+2	Х				
3	-2	-/-	-2	Х				
2	-1	_/_	-1	Х				
1	+1	-/-	+1	Х				
			*** ***					

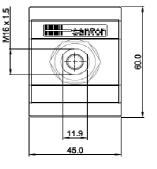
Contacts are made in "X" marked position.

Symbols for interconnection: []

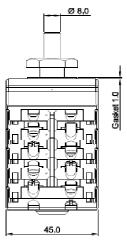
ol Unit				
600	V dc			
16	A dc			
	V dc			
	A dc			
method of mounting reverse single hole mounting IP65 [R] terminals access from				
4				
utilization category DC DC-21E				
standard black [A],				
OFF at 12 hr, ON at 3 hr [E]				
8	kV			
600	V			
16	Α			
480	Α			
1.4	kA			
7	kA			
	kA			
max power dissipation 2.2				
nethod of operation independent manual operation				
124 x 47 x 105.5				
7				
1.5 1.7	Nm			
2.0 2.5	Nm			
0.5 0.7				
2.5	mm²			
ambient temperature allowed between - 5 and + 40				
storage temperature allowed between - 40 and + 8				
90	%			
2				
IP rating terminals IP20				
IP65				
250	V AC			
20	A AC			
2				
auxiliary contact, nominal current 16A at 250 V, AC15 No auxiliary contact				
245	g			
315	8			
	4 DC-21B Ird black [A], 12 hr, ON at 3 hr [E] 8 600 16 480 1.4 7 2.2 endent manual operation 124 x 47 x 105.5 7 1.5 1.7 2.0 2.5 0.5 0.7 2.5 - 5 and + 40 - 40 and + 80 90 2 IP20 IP65 250 20 20			

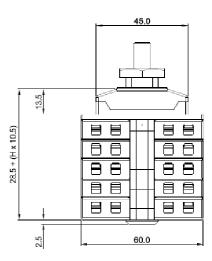






H is the number of layers in the switch





Mounting instructions

In the application all ratings have to be respected. When building the switch in an enclosure, the space envelope must be respected. The terminals, without interconnection can take copper wires up to 6 mm². The recommended Spade Tongue Terminals may have a maximum width of 9 mm. For CSA and UL applications, registered Spade 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.

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 full load.
- 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.

Superior Switch Solutions