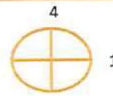


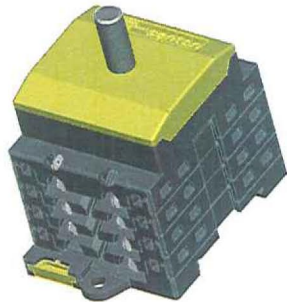
THE NEW SANTON X-TYPE SWITCH

TECHNICAL SPECIFICATIONS AND INSTRUCTIONS FOR USE

SANTON X-TYPE SWITCH: X60.25BKS2E-(A)



Switch disconnecter for solar application according to UL 508, CSA C22.2 No. 0 – M91, - CSA C22.2 No. 14 – 05

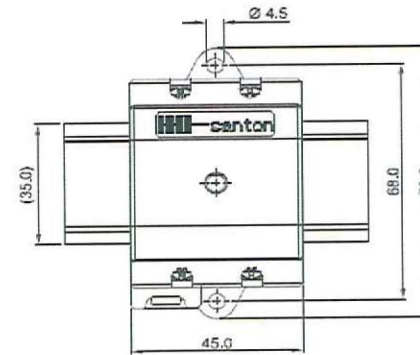


Contact scheme		Positions				
Marking	Symbol	Marking	1	2	3	4
12						
11						
10						
9						
8						
7						
6						
5		2	X			
4		2	X			
3		1	X			
2		1	X			
1	Empty					

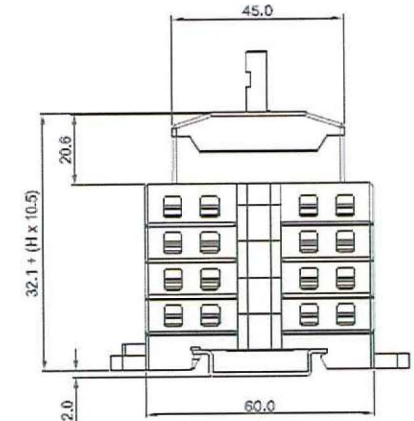
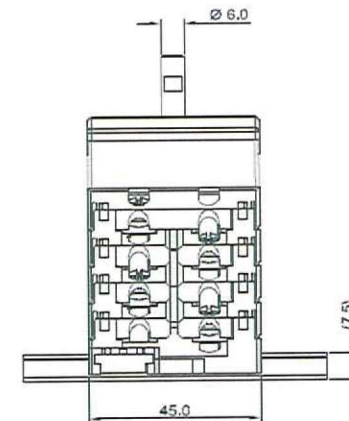
Contacts are made in "X" marked position.

Symbols for connections between contacts: []

Technical data	Symbol	Value	Unit
nominal voltage DC	U	600	V DC
nominal current DC	I	25	A DC
method of mounting	DIN rail and or Base mounting [B]		
number of poles, DC single pole switching	2		
utilization category	Photovoltaic disconnect switch		
actuator	without a knob, (you have to select the shaft),		
method of operation	independent manual operation		
positions	OFF at 12 hr, ON at 3 hr [E]		
rated impulse withstand voltage		8	kV
insulation voltage		600	V
rated thermal current uninterrupted duty		25	A
rated short-time withstand current (1s)		750	A
suitable for use on a circuit capable of delivery not more than 5.000 rms symmetrical Amperes, 600		40	A max.
max power dissipation		3,5	W
minimum required dimensions of enclosures l x w x h*		124 x 47 x 84,5	mm
* see the drawing for the height of the switch. The number of layers is	H	5	
tightening torque terminal screws M4, min. - max.		1,5 / 13	Nm / Lb.in
tightening torque M3 screw in the standard black knob, min. - max.		0,5 / 5	Nm / Lb.in
wire size, "Copper Wire Only", minimum required fine wire cross-section		4	mm ²
		10	AWG
ambient temperature allowed between		- 5 and + 40	°C
storage temperature allowed between		- 40 and + 80	°C
maximum relative humidity, without condensation at 20°C		90	%
nominal voltage AC	U	0	V AC
nominal current AC	I	0	A AC
number of poles AC		0	
auxiliary contact, nominal current at 250 V, AC	No auxiliary contact		
weight		254	g
accessoires:		0	



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 they need 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.

JD Auspice Co.,Ltd. TEL: 886-2-2595-9780 FAX: 886-2-2595-9412 service@jdauspice.com www.jdauspice.com