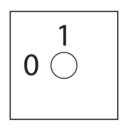


Cod. IBX1203022UABMC





Position



Standard and Approvals

• Switch according to IEC 60947-3:2021

CE

Technical features: Enclosure

- ABS double insulation thermoplastic enclosure, UV resistant
- Grey plate 36x36 mm and black padlockable knob (up to 3 padlocks)
- Switching angle: 90°
- Cover interlock in "ON" position
- Front drive
- IP65 Protection degree
- Fixing enclosure: 4 screws at 60x115 mm or 97x142 mm
- Cover fixing screws tightening torque: 1,4 Nm ±10%
- 8x MC4 connectors (4x each side), model STAUBLI EVO2 reference 32.0347P0001 and 32.0346P0001
- IN+/- and OUT+/- markings

Technical features: DC disconnect switch

- Rated operational current in the enclosure (Ie): 40 A
- Rated operational voltage in the enclosure (Ue): 1000 V
- Rated thermal current (Ith): 50 A
- Rated insulation voltage (Ui): 1500 V
- Switching angle: 90°
- Class V0 self-extinguishing thermoplastic housing
- Assembled with metal shaft to ensure maximum operating reliability

Layer 4 1 2 3 Marking -1 +1 +2 P 6 6 6 Q 0 Q 0 8 G Marking -2 +2 -1 +1 0/OFF I/ON Х Х х Х

Electrical diagram

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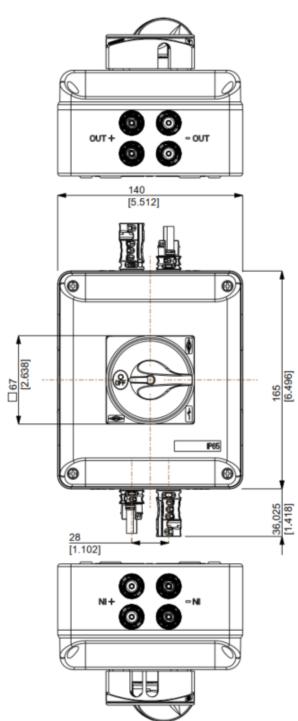


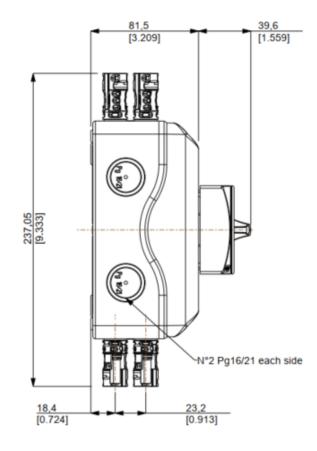
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Cod. IBX1203022UABMC

Dimensions

measures in mm [in]





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IBX1203022UABMC

Technical data of the DC disconnect switch

Technical data according to IEC 60947-3:2021

reclinical data according to IEC 60947-3.2021					
Utilization category			PV1 (DC-21B)	PV2	
Rated operational voltage	Ue	Vdc	1500	1500	
Rated operational current	le	Adc	15	6	
Rated operational voltage (second rating)	Ue	Vdc	1250	1250	
Rated operational current (second rating)	le	Adc	25	10	
Rated operational voltage (third rating)	Ue	V dc	1100	1100	
Rated operational current (third rating)	le	Adc	30	12	
Rated operational voltage (fourth rating)	Ue	V dc	1000	1000	
Rated operational current (fourth rating)	le	Adc	40	16	
Rated operational voltage (fifth rating)	Ue	V dc	800	800	
Rated operational current (fifth rating)	le	Adc	50	20	
Rated operational voltage (sixth rating)	Ue	V dc	700	700	
Rated operational current (sixth rating)	le	Adc	-	30	
Rated thermal current	lth	Α	50		
DC Poles		Nr.	4		
Rated conditional short-circuit current		kA	5		
Rated insulation voltage	Ui	Vdc	1500		
Rated impulse withstand voltage	Uimp	kV	8		
Rated short-time withstand current (1 s)	Icw	A	780		
Rated short-circuit making capacity	Icm	kA	1,4		
Power loss per layer at 20 A / 50 A		W	0,2/1,25		
Maximum size of the fuse for the short-circuit protection	gPV	Α	50		
Ambient conditions					
Pollution degree ins.			2		
Operational ambient temperature		°C	-30 ÷ +50		
Storage ambient temperature		°C	-30 ÷ +85		
Damp heat test IEC 60068-2-30			90-100% RH at +55 °C		

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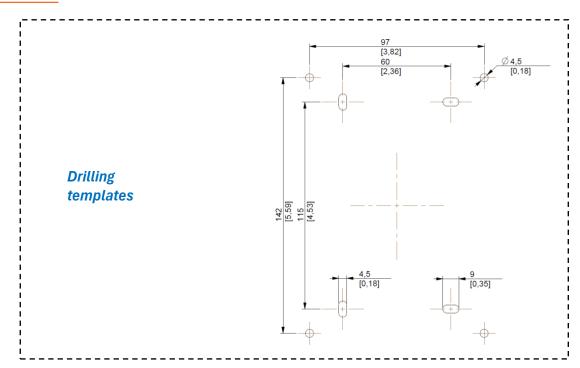
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CE



Dimensions



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