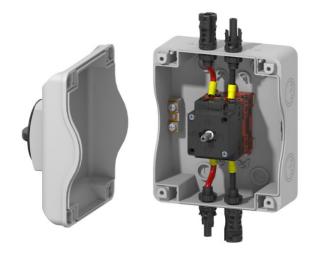
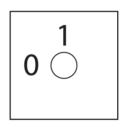


Cod. IBX1503012UABMC





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%
- 4x MC4 connectors (2x 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): 50 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 3 4 1 2 Marking +1 -1 Е Е м 6 9 Р 0 0 т т 8 G Y Marking -1 +1 0/OFF I/ON Х Х

Electrical diagram

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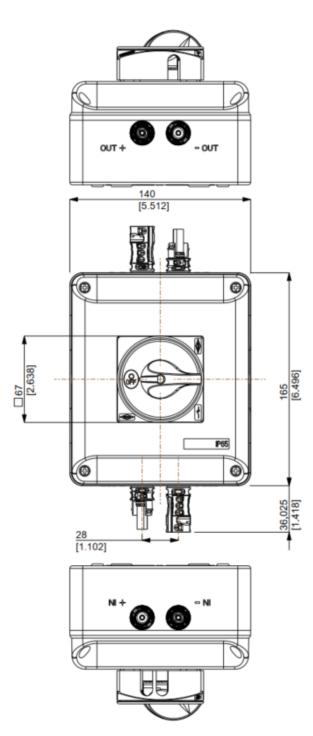


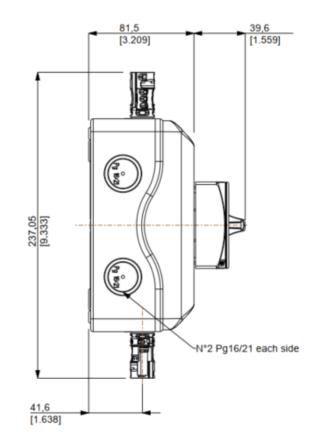
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Dimensions

measures in mm [in]





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IBX1503012UABMC

Technical data of the DC disconnect switch

Technical data according to IEC 60947-3:2021

rechnical 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	20	8	
Rated operational voltage (second rating)	Ue	Vdc	1300	1300	
Rated operational current (second rating)	le	Adc	25	10	
Rated operational voltage (third rating)	Ue	Vdc	1250	1250	
Rated operational current (third rating)	le	Adc	30	12	
Rated operational voltage (fourth rating)	Ue	Vdc	1000	1000	
Rated operational current (fourth rating)	le	Adc	50	20	
Rated operational voltage (fifth rating)	Ue	V dc	800	800	
Rated operational current (fifth rating)	le	Adc	-	30	
Rated operational voltage (sixth rating)	Ue	Vdc	700	700	
Rated operational current (sixth rating)	le	Adc	-	40	
Rated thermal current	lth	Α	50		
DC Poles		Nr.	2		
Rated conditional short-circuit current		kA	5		
Rated insulation voltage	Ui	V dc	1500		
Rated impulse withstand voltage	Uimp	kV	8		
Rated short-time withstand current (1 s)	Icw	Α	780		
Rated short-circuit making capacity	lcm	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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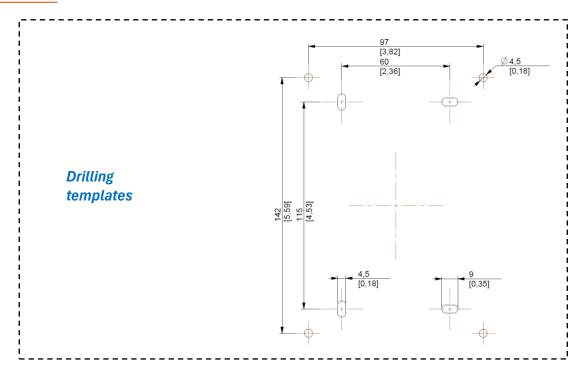
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CE



Dimensions



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