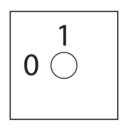


Cod. IBX12030120ARMC





Position



Standard and Approvals

• Switch according to IEC 60947-3:2021

CE

Technical features: Enclosure

- ABS double insulation thermoplastic enclosure, UV
 resistant
- Yellow plate 36x36 mm and red 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): 30 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 lo 0 т т 8 a Y Marking -1 +1 0/OFF I/ON Х Х

Electrical diagram

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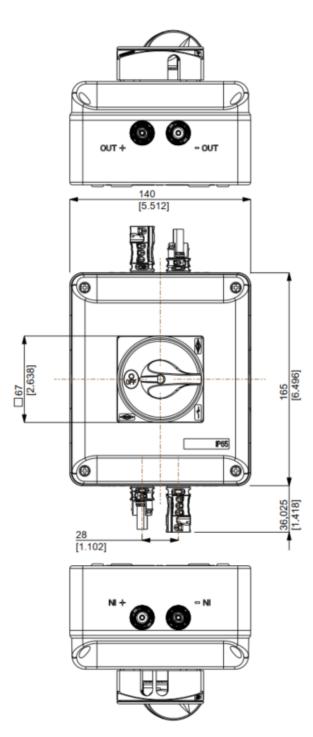


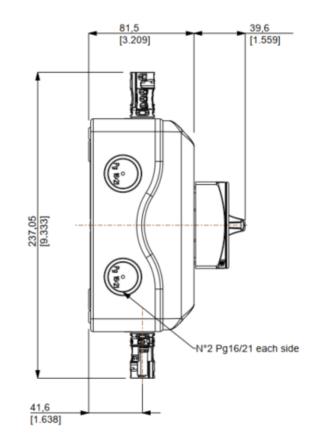
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Cod. IBX12030120ARMC

Dimensions

measures in mm [in]





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IBX12030120ARMC

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	10	5	
Rated operational voltage (second rating)	Ue	Vdc	1250	1250	
Rated operational current (second rating)	le	Adc	20	8	
Rated operational voltage (third rating)	Ue	V dc	1000	1000	
Rated operational current (third rating)	le	Adc	30	12	
Rated operational voltage (fourth rating)	Ue	V dc	800	800	
Rated operational current (fourth rating)	le	Adc	45	17	
Rated operational voltage (fifth rating)	Ue	V dc	700	700	
Rated operational current (fifth rating)	le	Adc	-	25	
Rated operational voltage (sixth rating)	Ue	V dc	-	-	
Rated operational current (sixth rating)	le	Adc	-	-	
Rated thermal current	lth	Α	50		
DC Poles		Nr.	2		
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	Α	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		

BREMAS

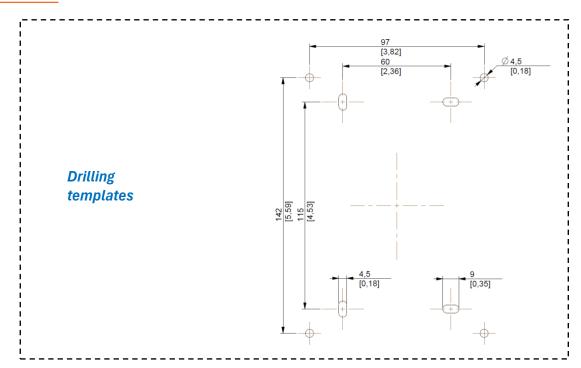
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CE



Dimensions



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