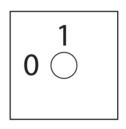


Cod. IBX1203012UARMC





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): 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 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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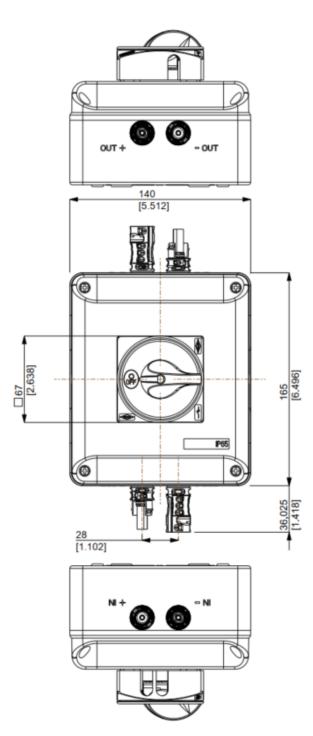


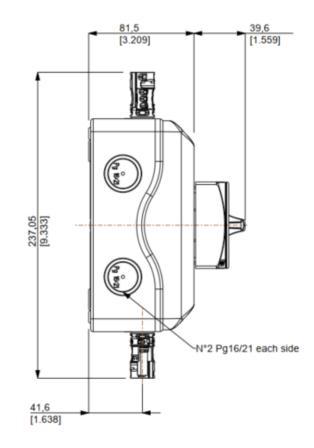
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Cod. IBX1203012UARMC

Dimensions

measures in mm [in]





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IBX1203012UARMC

Technical data of the DC disconnect switch

Technical data according to IEC 60947-3:2021

reclinical data according to IEC 00947-3.2021				
Utilization category			PV1 (DC-21B)	PV2
Rated operational voltage	Ue	V dc	1500	1500
Rated operational current	le	Adc	15	6
Rated operational voltage (second rating)	Ue	V dc	1250	1250
Rated operational current (second rating)	le	Adc	25	10
Rated operational voltage (third rating)	Ue	Vdc	1100	1100
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	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.	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)	lcw	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	

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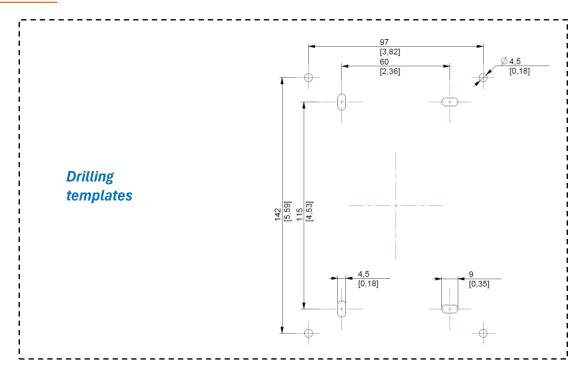
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CE



Dimensions



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