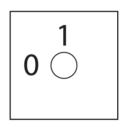


# Cod. IBK10016120ARMC





# 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 (le): 16 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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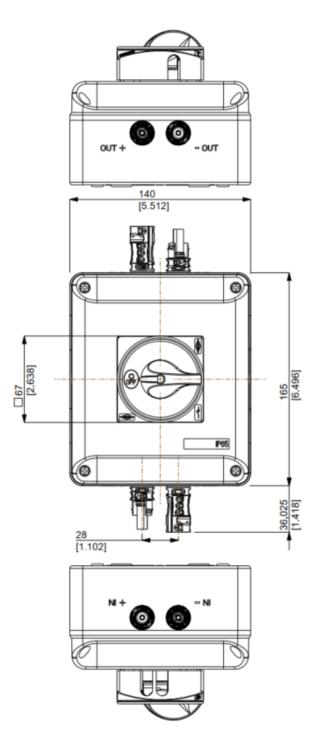


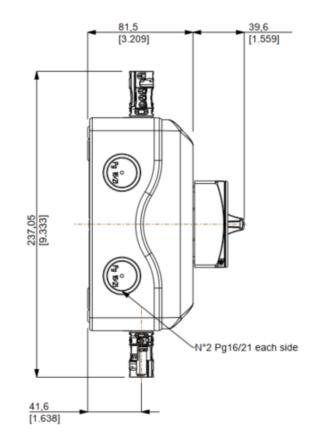
Bremas Ersce S.p.A. Via Castellazzo 9 – 20040 Cambiago (MI) Tel +39 02 95651611 Fax+39 02 95651639 www.bremas.it info@bremas.it ISO 9001 Certified Quality System

# Cod. IBK10016120ARMC

# Dimensions

measures in mm [in]





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# **IBK10016120ARMC**

#### 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	V dc	1000	1000	
Rated operational current	le	A dc	16	6	
Rated operational voltage (second rating)	Ue	V dc	750	750	
Rated operational current (second rating)	le	A dc	32	12	
Rated operational voltage (third rating)	Ue	V dc	700	700	
Rated operational current (third rating)	le	A dc	-	16	
Rated operational voltage (fourth rating)	Ue	V dc	500	500	
Rated operational current (fourth rating)	le	A dc	50	-	
Rated operational voltage (fifth rating)	Ue	V dc	-	-	
Rated operational current (fifth rating)	le	A dc	-	-	
Rated operational voltage (sixth rating)	Ue	V dc	-	-	
Rated operational current (sixth rating)	le	A dc	-	-	
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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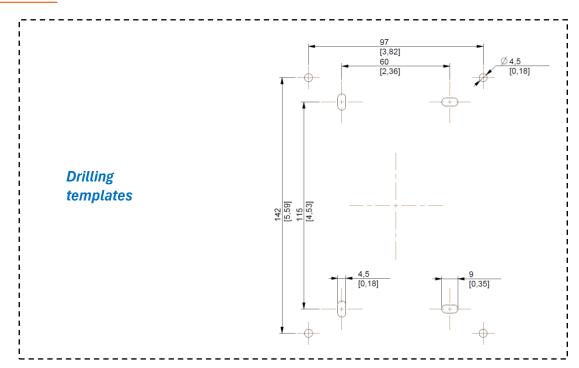
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CE



#### Dimensions



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