DK100161M0AVDMG



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Disconnect switch

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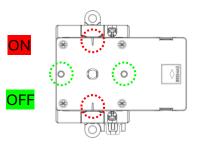
Disconnect switch					
Technical data according to IEC 60947-3:2021					
Utilization category			PV1 (DC-21B)	PV2	
Rated operational voltage	Ue	V dc	1200	-	
Rated operational current	le	Α	8	-	
Rated operational voltage (second rating)	Ue	V dc	1000	1000	
Rated operational current (second rating)	le	Α	16	6	
Rated operational voltage (third rating)	Ue	V dc	750	750	
Rated operational current (third rating)	le	Α	32	12	
Rated operational voltage (fourth rating)	Ue	V dc	-	700	
Rated operational current (fourth rating)	le	Α	-	16	
Rated operational voltage (fifth rating)	Ue	V dc	500	-	
Rated operational current (fifth rating)	le	Α	50	-	
Rated operational voltage (sixth rating)	Ue	V dc	-	-	
Rated operational current (sixth rating)	le	Α	-	-	
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		
Mechanical characteristics					
Type of mounting			Double mounting Fixing with nut by M16x1,5 mm hole Back-side for DIN rail or 2 screws		
Layers		Nr.	4		
Terminal screws orientation			Head up		
External metal parts (screws, shaft)			Stainless	steel	
Cross-section of flexible/solid wires	Max.	mm² AWG	2x 6 2x 10		
Cross-section of wires with fork lug	Max.	mm² AWG	1x 16 1x 6		
Minimum required fine wire cross-section: IEC 60947-1, table 9					
Terminal screws type			M4 – F	PH2	
Terminal screws tightening torque		Nm	1,7 ±10%		
Fixing nut tightening torque		Nm	2 ±10%		
Panel thickness	Max.	mm	4		
Net weight		g	370		
Protection degree IEC 529 EN 60529					
To the terminal			IP20		
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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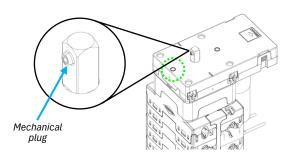
Motor driven actuator

Motor characteristics					
Rated operational voltage	Ue	V dc	24 ±5%		
Rated operational current	le	Α	0,4		
Stall current	Max.	Α	1,4		
Free-load current		Α	0,10		
Free-load speed	Max.	rpm	20 ±3		
Rated load current		Α	0,15		
Rated load speed		rpm	17,6 ±2		
Output power at Max. efficiency		W	1,55		
Terminal type			Solder (supplied with wiring)		
Pre-soldered cables length		mm	300		
Protection degree to the terminals			IP00*		
Operating features					
Rotation direction		Clockwise (90deg)			
Position (disconnect switch)		OFF at 09:00 and 03:00 o'clock ON at 12:00 and 06:00 o'clock			
Position (status indicator)		Rotary disc with static window at 09:00 o'clock			

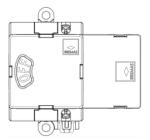
^{*} Pre soldered wiring with heat-shrink sheath

Position (disconnect switch)

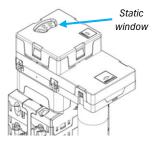




Position (status indicator)







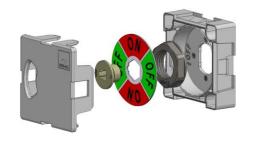
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BREMAS BETTER SWITCHES

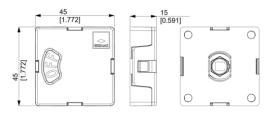
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Product image

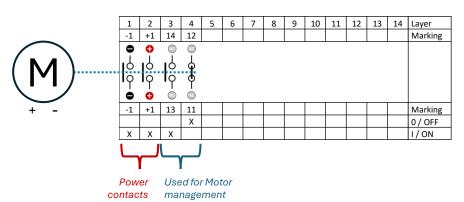








Electrical Diagram



Dimensions

