DC Disconnect Switch

DK Series

DK100163M0AEDSG

Disconnect switch

Technical data according to IEC 60947-3:2021 Utilization category			PV1 (DC-21B)	PV2
	11-	Vdc	. ,	PV2
Rated operational voltage	Ue	A	1200	•
Rated operational current	le	A V dc	8	-
Rated operational voltage (second rating)	Ue		1000	1000
Rated operational current (second rating)	le	A	16	6
Rated operational voltage (third rating)	Ue	Vdc	750	750
Rated operational current (third rating)	le	A	32	12
Rated operational voltage (fourth rating)	Ue	V dc	-	700
Rated operational current (fourth rating)	le	A	-	16
Rated operational voltage (fifth rating)	Ue	Vdc	500	-
Rated operational current (fifth rating)	le	A	50	-
Rated operational voltage (sixth rating)	Ue	Vdc	-	-
Rated operational current (sixth rating)	le	A	-	-
Rated thermal current	lth	A	50	
DC Poles		Nr.	6	
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)	lcw	A	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	A	50	
Mechanical characteristics				
Type of mounting			Base mounting Back-side for DIN rail or 2 screws fixing For direct operation With pre-mounted status indicator	
Layers		Nr.	8	
Terminal screws orientation			Head up	
External metal parts (screws, shaft)			Stainle	ss steel
	Max.	mm²	2x 6	
Cross-section of flexible/solid wires		AWG	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				
Ferminal screws type			M4 – PH2	
Ferminal screws tightening torque		Nm	1,7±10%	
Net weight		g	495	
Protection degree IEC 529 EN 60529		0		
To the terminal			ID	20
Ambient conditions			IF	20
				2
N.H. Phys. Rev. Phys.			2	
Pollution degree ins.				-
Pollution degree ins. Operational ambient temperature Storage ambient temperature		°C O°	-30 -	2 ÷ +50 ÷ +85

BREMAS

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Motor driven actuator

CE

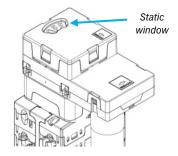
Motor characteristics					
Rated operational voltage	Ue	Vdc	24 ±5%		
Rated operational current	le	А	0,4		
Stall current	Max.	A	1,4		
Free-load current		A	0,10		
Free-load speed	Max.	rpm	20 ±3		
Rated load current		Α	0,15		
Rated load speed		rpm	17,6 ±2		
Output power at Max. efficiency		W	1,55		
Terminal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

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* Pre soldered wiring with heat-shrink sheath

Status indicator





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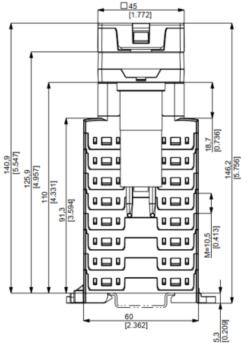
Product image

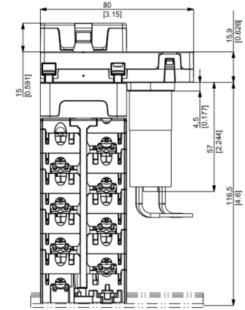




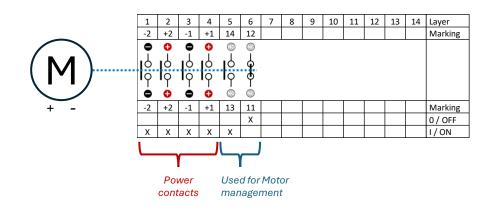
Screwdriver orientation for terminal fixing

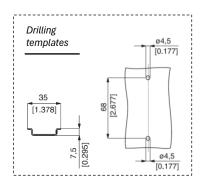


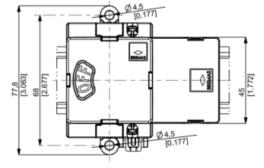




Electrical Diagram







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