DC Disconnect Switch

DM Series

DM100202M0AWDSG

Disconnect switch

Technical data according to IEC 60947-3:2021				
Utilization category			PV1 (DC-21B)	PV2
Rated operational voltage	Ue	Vdc	1100	1100
Rated operational current	le	Α	12	5
Rated operational voltage (second rating)	Ue	Vdc	1000	1000
Rated operational current (second rating)	le	Α	20	10
Rated operational voltage (third rating)	Ue	Vdc	750	750
Rated operational current (third rating)	le	Α	32	18
Rated operational voltage (fourth rating)	Ue	Vdc	700	700
Rated operational current (fourth rating)	le	Α	40	20
Rated operational voltage (fifth rating)	Ue	Vdc	500	-
Rated operational current (fifth rating)	le	Α	50	-
Rated operational voltage (sixth rating)	Ue	Vdc	-	-
Rated operational current (sixth rating)	le	А	-	-
Rated thermal current	lth	Α		50
DC Poles		Nr.		4
Rated conditional short-circuit current		kA		5
Rated insulation voltage	Ui	Vdc	15	500
Rated impulse withstand voltage	Uimp	kV		8
Rated short-time withstand current (1 s)	lcw	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	
Mechanical characteristics				
Type of mounting			Double mounting Fixing with 4 screws 36x36 mm Back-side for DIN rail or 2 screws	
Layers		Nr.	6	
Terminal screws orientation			Hea	ad up
External metal parts (screws, shaft)			Stainle	ess steel
Cross-section of flexible/solid wires	Max.	mm²	2x 6	
Closs-section of nexible/solid wires	Max.	AWG	2>	(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 ·	- PH2
Terminal screws tightening torque		Nm	1,7±10%	
Fixing screws tightening torque		Nm	1,1±10%	
Panel thickness	Max.	mm	4	
Net weight		g	430	
Protection degree IEC 529 EN 60529				
To the terminal			IF	20
To the terminat				
Ambient conditions				2
Ambient conditions Pollution degree ins.		°C		
		°C ℃	-30	2

CE

		info@bremas.it ed Quality System
Ue	Vdc	24 ±5%
le	A	0,4
Max.	A	1,4

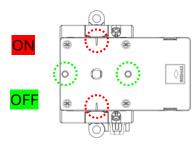
Motor characteristics	
Rated operational voltage	
Rated operational current	
Stall current	
Free-load current	

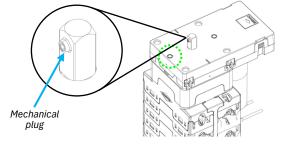
Free-load speed	Max.	rpm	20 ±3	
Rated load current		A	0,15	
Rated load speed		rpm	17,6 ±2	
Output power at Max. efficiency		W	1,55	
Terminal type			Solder	
Terminal type			(supplied with wiring)	
Pre-soldered cables length		mm	300	
Protection degree to the terminals			IP00*	
Operating features				
Rotation direction	Clockwise (90deg)			
Position (disconnect switch)	OFF at 09:00 and 03:00 o'clock			
Position (disconnect switch)	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)

Motor driven actuator





Position (status indicator)



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DM Series

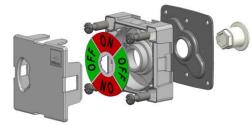
DM100202M0AWDSG



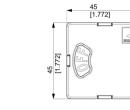
Bremas Ersce S.p.A. Via Castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.it info@bremas.it ISO 9001 Certified Quality System

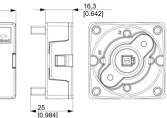
Product image



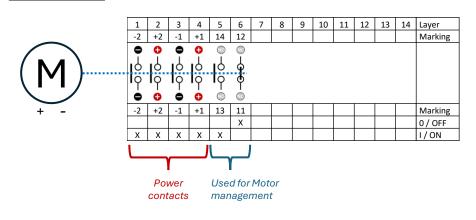


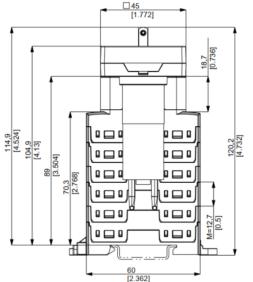


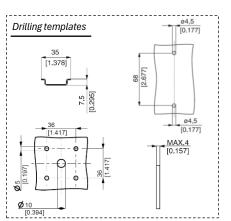


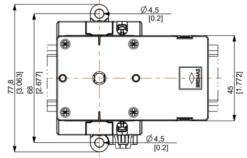


Electrical Diagram









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Dimensions