# DP100122M0AEDSG

# BREMAS BETTER SWITCHES

### Bremas Ersce S.p.A.

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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	Vdc	1000	1000
Rated operational current	le	Α	12	4
Rated operational voltage (second rating)	Ue	Vdc	750	750
Rated operational current (second rating)	le	Α	25	10
Rated operational voltage (third rating)	Ue	Vdc	600	600
Rated operational current (third rating)	le	Α	32	16
Rated operational voltage (fourth rating)	Ue	V dc	-	-
Rated operational current (fourth rating)	le	Α	-	-
Rated operational voltage (fifth rating)	Ue	Vdc	-	-
Rated operational current (fifth rating)	le	Α	-	-
Rated operational voltage (sixth rating)	Ue	Vdc	-	-
Rated operational current (sixth rating)	le	Α	-	-
Rated thermal current	lth	Α	50	
DC Poles		Nr.	4	
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	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			Base mounting Back-side for DIN rail or 2 screws fixing For direct operation With pre-mounted status indicator	
Layers		Nr.	6	
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		71110	1/10	<u></u>
Terminal screws type			M4 - P	H2
Terminal screws tightening torque		Nm	1.7 ±10%	
Net weight		g	1,7±10% 430	
Protection degree IEC 529 EN 60529		ь	450	
To the terminal			IP20	)
Ambient conditions			IPZ	,
Pollution degree ins.		°C	2	
Operational ambient temperature			-30 ÷ +50	
Storage ambient temperature		°C	-30 ÷ +85	
Damp heat test IEC 60068-2-30			90-100% RH	at +55 °C

# Motor driven actuator

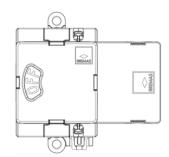
Motor characteristics				
Rated operational voltage	Ue	Vdc	24 ±5%	
Rated operational current	le	A	0,4	
Stall current	Max.	A	1,4	
Free-load current		A	0,10	
Free-load speed	Max.	rpm	20 ±3	
Rated load current		A	0,15	
Rated load speed		rpm	17,6 ±2	
Output power at Max. efficiency		W	1,55	
Terminal type			Solder (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		

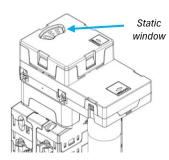
<sup>\*</sup> Pre soldered wiring with heat-shrink sheath

#### Status indicator



Rotary disc





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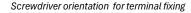
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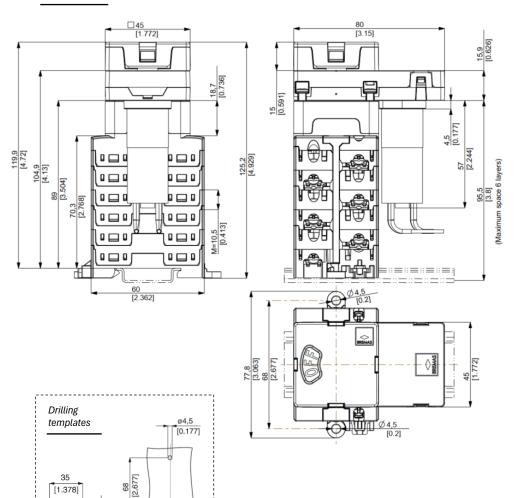
# Product image



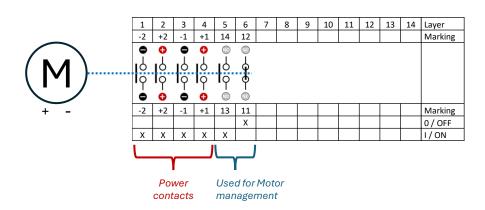




#### Dimensions



# Electrical Diagram



[0.295]

ø4,5

[0.177]