# DK100163M0AWDSG



# Bremas Ersce S.p.A.

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ISO 9001 Certified Quality System

# **Disconnect switch**

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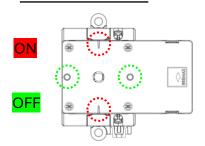
Disconnect switch				•
echnical data according to IEC 60947-3:2021				
tilization category			PV1 (DC-21B)	PV2
ated operational voltage	Ue	V dc	1200	-
ated operational current	le	Α	8	-
ated operational voltage (second rating)	Ue	V dc	1000	1000
ated operational current (second rating)	le	Α	16	6
ated operational voltage (third rating)	Ue	V dc	750	750
ated operational current (third rating)	le	Α	32	12
ated operational voltage (fourth rating)	Ue	V dc	-	700
ated operational current (fourth rating)	le	Α	-	16
ated operational voltage (fifth rating)	Ue	V dc	500	-
ated operational current (fifth rating)	le	Α	50	-
ated operational voltage (sixth rating)	Ue	V dc	-	-
ated operational current (sixth rating)	le	Α	-	-
ated thermal current	lth	Α	50	
C Poles		Nr.	6	
ated conditional short-circuit current		kA	5	
ated insulation voltage	Ui	V dc	1500	
ated impulse withstand voltage	Uimp	kV	8	
ated short-time withstand current (1 s)	lcw	A	780	
ated short-circuit making capacity	Icm	kA	1,4	
ower loss per layer at 20 A / 50 A		W	0,2 / 1,25	
aximum size of the fuse for the short-circuit protection	gPV	Α	50	
lechanical characteristics				
ype of mounting			Double mounting Fixing with 4 screws 36x36 mm Back-side for DIN rail or 2 screws	
ayers		Nr.	8	
erminal screws orientation			Head up	
xternal metal parts (screws, shaft)			Stainless steel	
ross-section of flexible/solid wires	Max.	mm² AWG	2x 6 2x 10	
ross-section of wires with fork lug	Max.	mm²	1x 16	
F		AWG	1x 6	)
linimum required fine wire cross-section: IEC 60947-1, table 9				110
erminal screws type		N	M4 – PH2	
erminal screws tightening torque		Nm	1,7 ±10%	
ixing screws tightening torque		Nm	1,1 ±10%	
anel thickness	Max.	mm	4	
et weight		g	495	·
rotection degree IEC 529 EN 60529				
o the terminal			IP20	)
mbient conditions				
ollution degree ins.			2	
perational ambient temperature		°C	-30 ÷ +50	
torage ambient temperature		°C	-30 ÷ +85	
amp heat test IEC 60068-2-30			90-100% RH at +55 °C	

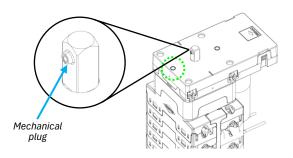
## Motor driven actuator

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				

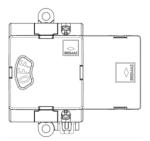
<sup>\*</sup> Pre soldered wiring with heat-shrink sheath

## Position (disconnect switch)

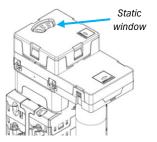




## Position (status indicator)







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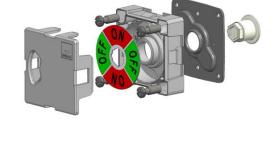


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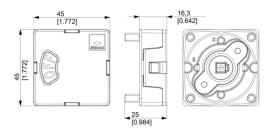
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# Product image

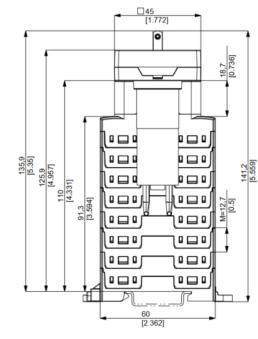


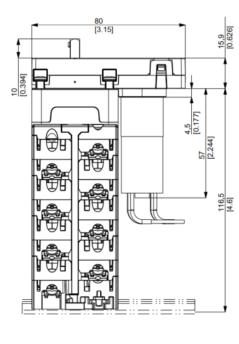






#### Dimensions





# Electrical Diagram

