DC Disconnect Switch

DX Series

DX120301M0AVDMG

Disconnect switch

Technical data according to IEC 60947-3:2021 Utilization category			PV(1 (DC 21P)	PV2
	Ue	Vdc	PV1 (DC-21B)	
Rated operational voltage		V dC	1500	1500
Rated operational current	le		10	5
Rated operational voltage (second rating)	Ue	V dc	1250	1250
Rated operational current (second rating)	le	A	20	8
Rated operational voltage (third rating)	Ue	V dc	1000	1000
Rated operational current (third rating)	le	A	30	12
Rated operational voltage (fourth rating)	Ue	Vdc	800	800
Rated operational current (fourth rating)	le	A	45	17
Rated operational voltage (fifth rating)	Ue	Vdc	-	700
Rated operational current (fifth rating)	le	A	-	25
Rated operational voltage (sixth rating)	Ue	Vdc	-	-
Rated operational current (sixth rating)	le	A	-	-
Rated thermal current	lth	A	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 – P	H2
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		<u> </u>		
5			IP20)
To the terminal		1	11 20	•
Ambient conditions			0	
Ambient conditions Pollution degree ins.		*	2	50
Ambient conditions Pollution degree ins. Operational ambient temperature		°C ∺C	-30 ÷ +	
To the terminal Ambient conditions Pollution degree ins. Operational ambient temperature Storage ambient temperature Damp heat test IEC 60068-2-30		⊃° ⊃°		-85

BREMAS

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

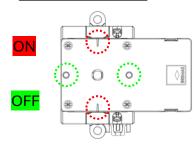
Motor driven actuator

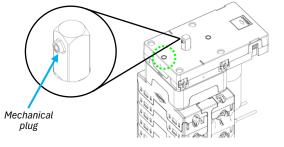
CE

Motor characteristics					
Rated operational voltage	Ue	Vdc	24 ±5%		
Rated operational current	le	Α	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 (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

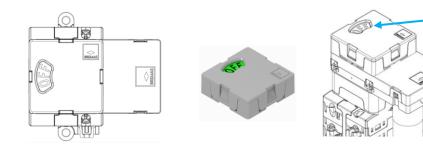
Position (disconnect switch)





Static window

Position (status indicator)



@2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information and operation are provided to the best of our knowledge. In any case, this does not mean from the features described it may derive legal responsibilities that extend beyond the "Terms and Conditions of sales" of Bremas Ersce. The customer / user must examine our information and recommendations and the relevant technical regulations before using the products its own purpose.

DC Disconnect Switch

DX Series

Product image

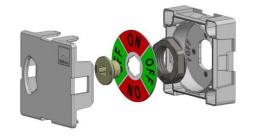
DX120301M0AVDMG



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

Dimensions





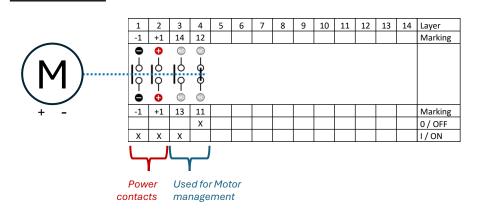


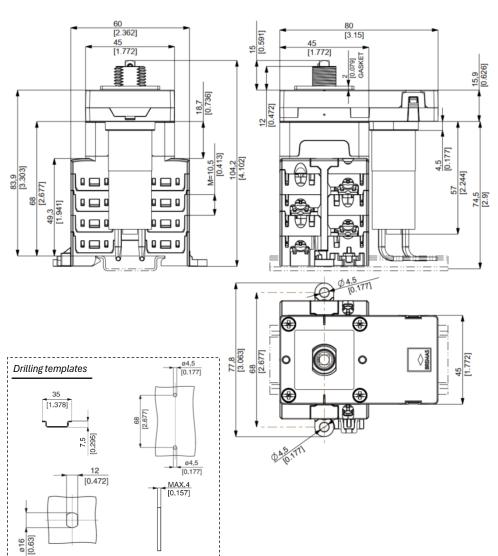




15

Electrical Diagram





@2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information and operation are provided to the best of our knowledge. In any case, this does not mean from the features described it may derive legal responsibilities that extend beyond the "Terms and Conditions of sales" of Bremas Ersce. The customer / user must examine our information and recommendations and the relevant technical regulations before using the products its own purpose.