DC Disconnect Switch

DX Series

DX120302MUAWDSG

Disconnect switch

Technical data according to IEC 60947-3:2021				
Utilization category			PV1 (DC-21B)	PV2
Rated operational voltage	Ue	Vdc	1500	1500
Rated operational current	le	Α	15	6
Rated operational voltage (second rating)	Ue	Vdc	1250	1250
Rated operational current (second rating)	le	А	25	10
Rated operational voltage (third rating)	Ue	Vdc	1100	1100
Rated operational current (third rating)	le	Α	30	12
Rated operational voltage (fourth rating)	Ue	Vdc	1000	1000
Rated operational current (fourth rating)	le	Α	40	16
Rated operational voltage (fifth rating)	Ue	Vdc	800	800
Rated operational current (fifth rating)	le	Α	50	20
Rated operational voltage (sixth rating)	Ue	Vdc	-	700
Rated operational current (sixth rating)	le	Α	-	30
Rated thermal current	lth	Α		50
DC Poles		Nr.		4
Rated conditional short-circuit current		kA		5
Rated insulation voltage	Ui	Vdc	1	500
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 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	e/solid wires Max.	mm²	2x 6	
Cross-section of nexible/solid wires		AWG	2x 10	
Cross-section of wires with fork lug	Max.	mm ²	1x 16	
Closs-section of wires with lork tug	Max.	AWG	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				
			IP20	
To the terminal				
Ambient conditions				2
Ambient conditions Pollution degree ins.		°C		2 ÷ +50
To the terminal Ambient conditions Pollution degree ins. Operational ambient temperature Storage ambient temperature		℃ ℃	-30	-

CE



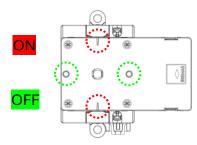
Bremas Ersce S.p.A. Via Castellazzo 9 – 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.it info@bremas.it ISO 9001 Certified Quality System

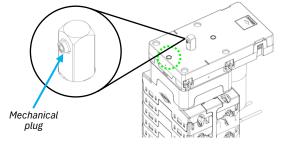
Motor driven actuator

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 (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			

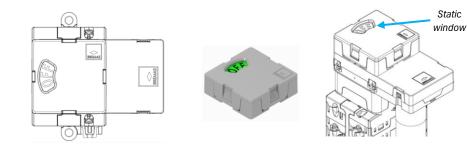
* Pre soldered wiring with heat-shrink sheath

Position (disconnect switch)





Position (status indicator)



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DX Series

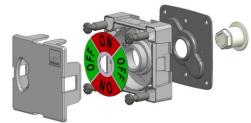
DX120302MUAWDSG



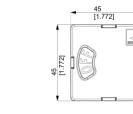
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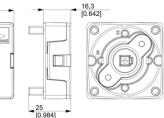
Product image



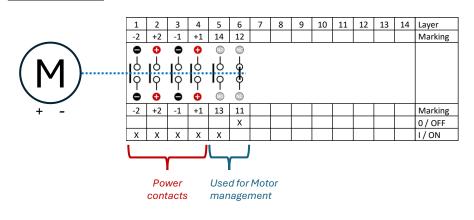


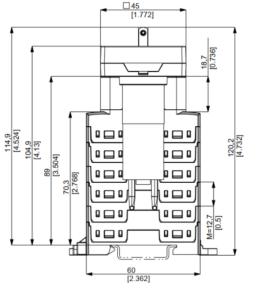


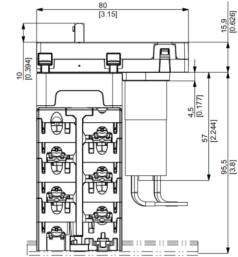


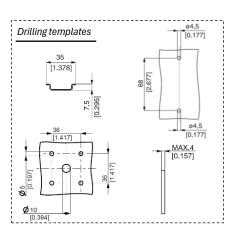


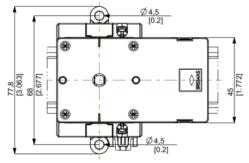
Electrical Diagram











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Dimensions