

DC Disconnect Switch  
DX Series

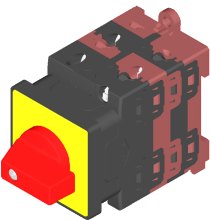


Bremas Ersee SpA  
Via castellazzo 9 - 20040 Cambiago (MI)  
Tel +39 02 96651611 Fax +39 02 96651639  
www.bremas.eu info@bremas.it  
ISO 9001 Certified Quality System

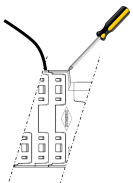
DX150302EUAERW4



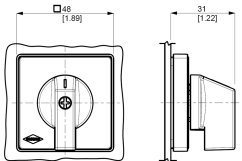
Technical data according to IEC 60947-3:2015/A2 AnnexD			
Utilization category		PV1 (DC21B)	PV2
Rated operational voltage	Ue	V dc	1500
Rated operational current	Ie	A dc	20
Rated operational voltage (second rating)	Ue	V dc	1300
Rated operational current (second rating)	Ie	A dc	25
Rated operational voltage (third rating)	Ue	V dc	1250
Rated operational current (third rating)	Ie	A dc	30
Rated operational voltage (fourth rating)	Ue	V dc	1000
Rated operational current (fourth rating)	Ie	A dc	50
Rated operational voltage (fifth rating)	Ue	V dc	800
Rated operational current (fifth rating)	Ie	A dc	30
Rated thermal current	Ith	A	50
DC Poles		Nr.	4
Rated conditional short-circuit current			5kA
Rated insulation voltage	Ui	V dc	1.500
Rated impulse withstand voltage	Uimp	kV	8
Rated short-time withstand current (1s)	Icw	A	780
Rated short-circuit making capacity	Icm	kA	1,4
Power loss per layer at 20A/50A		W	0,2/1,25
Max fuse size for short circuit protection	gPV	A	50
Mechanical characteristics			
Type of mounting		Base mounting ( Head Up Screws ) Direct operation/ back for DIN rail (with mounted plate and/or kno	
Layers		Nr.	5
Screwdriver orientation for terminals			Head up
External metal parts (Screws, shaft)			Stainless steel
Terminal capacity with flexible/solid wires	Max	mm <sup>2</sup> AWG	2x6 2x10
Terminal capacity with fork terminals	Max	mm <sup>2</sup> AWG	1x16 1x6
Thread dimensions for terminal screws			M4
Terminal screws tightening torque		Nm	1,7 ± 10%
Actuator operation forces		Nm	1,5
Net Weight		g	283
Protection degree IEC 529 EN 60529			
Switch IP terminal			IP20
Switch IP rating mounted on panel			IP66
Ambient conditions			
Pollution degree ins.			3
Operational ambient temperature			-40°C ÷ +70°C
Storage ambient temperature			-40°C ÷ +85°C
Damp heat test IEC60068-2-30			90-100% RH at +55 °C



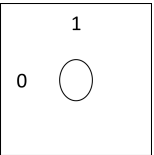
Screwdriver orientation  
for terminals



Knob



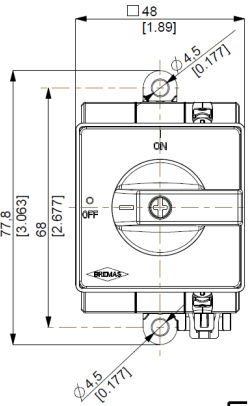
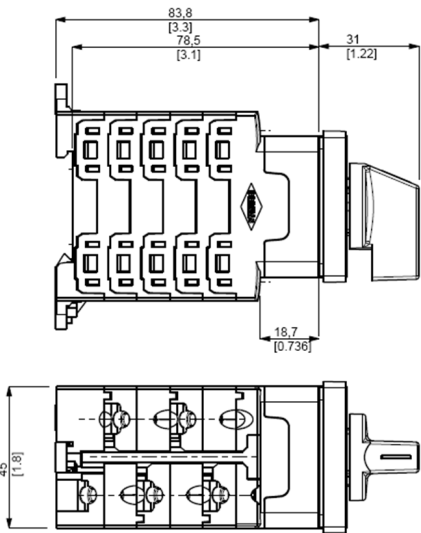
Positions



Electrical Diagram

Layer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Marking	-2	+2	-1	+1												
					E M P T Y											
Marking	-2	+2	-1	+1												
0/OFF	X	X	X	X												
I/ON	X	X	X	X												

Dimensions



Drilling Templates

