DC Disconnect Switch

DX Series



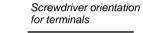
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DX120301E0ADRND

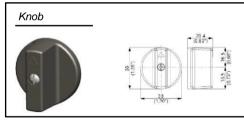
			(6 🕼)	
Technical data according to IEC 60947-3:2015/A2 AnnexD					
Utilization category			PV1 (DC21B)	PV2	
Rated operational voltage	Ue	V dc	1500	1500	
Rated operational current	le	A dc	10	5	
Rated operational voltage (second rating)	Ue	V dc	1250	1250	
Rated operational current (second rating)	le	A dc	20	8	
Rated operational voltage (third rating)	Ue	V dc	1000	1000	
Rated operational current (third rating)	le	A dc	30	1000	
Rated operational voltage (fourth rating)	Ue	V dc	800	800	
Rated operational current (fourth rating)	le	A dc	45	17	
Rated operational voltage (fifth rating)	Ue	V dc		700	
Rated operational current (fifth rating)	le	A dc		25	
Rated thermal current	Ith	A	50		
DC Poles		Nr.	2		
Rated conditional short-circuit current		kA	5		
Rated insulation voltage	Ui	V dc	1.500		
Rated impulse withstand voltage	Uimp	kV	8		
Rated short-time withstand current (1s)	lcw	A	780		
Rated short-circuit making capacity	Icm	kA	1,4		
Power loss per layer at 20A/50A	lein	W	0,2/1,25		
Max fuse size for short-circuit protection	gPV	A	50		
Mechanical characteristics	0	1		-	
			Base mo	ounting.	
Type of mounting			Back-side for DIN rail, for standard distribution boards (45mm window). With pre-mounted knob		
, pe el mounting					
Layers		Nr.	3		
Screwdriver orientation for terminals			Head up		
External metal parts (screws, shaft)			Stainless steel		
Terminal capacity with flexible/solid wires	Max	mm²	2x 6		
reminal capacity with nexible/solid wires	IVIAX	AWG	10		
Terminal capacity with fork terminals	Max	mm² AWG	1x 16 6		
Thread dimensions for terminal screws			M4		
Terminal screws tightening torque		Nm	1,7 ± 10%		
Actuator operation force		Nm	1,5		
Net weight		g	193		
Protection degree IEC 529 EN 60529					
On terminals			IP20		
Mounted on panel					
Ambient conditions					
Pollution degree ins.			2		
Operational ambient temperature		°C	-40 ÷ +70		
Storage ambient temperature		°C	-40 ÷ +85		
Damp heat test IEC60068-2-30			90-100% RH at +55 °C		



Positions





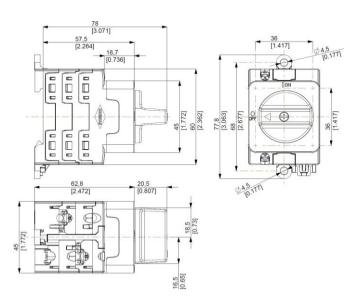


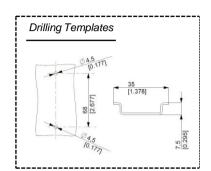
Electrical Diagram



Layer 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 Marking -1 +1 0 0 Е Μ ιģ ιd P Т Y 0 0 -1 Marking +1 0/OFF Х I/ON Х

Dimensions





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