DC Disconnect Switch

DK Series



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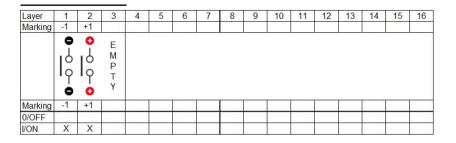
DK100161E0ADRND

			(6 🕼	(\mathbf{m})	
Technical data according to IEC 60947-3:2015/A2 AnnexD					
Utilization category			PV1 (DC21B)	PV2	
Rated operational voltage	Ue	V dc	1200	-	
Rated operational current	le	A dc	8	-	
Rated operational voltage (second rating)	Ue	V dc	1000	1000	
Rated operational current (second rating)	le	A dc	16	6	
Rated operational voltage (third rating)	Ue	V dc	750	750	
Rated operational current (third rating)	le	A dc	32	12	
Rated operational voltage (fourth rating)	Ue	V dc	-	700	
Rated operational current (fourth rating)	le	A dc		16	
Rated operational voltage (fifth rating)	Ue	V dc	500		
Rated operational current (fifth rating)	le	A dc	50	-	
Rated thermal current	lth	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)	Icw	A	780		
Rated short-circuit making capacity	Icm	kA	1,4		
Power loss per layer at 20A/50A	leni	W	0,2/1,25		
Max fuse size for short-circuit protection	gPV	A	50		
Mechanical characteristics	5	~		·	
			Basemo	ounting	
Type of mounting			Back-side for DIN rail, for standard distribution boards (45mm window). With pre-mounted knob		
Layers		Nr.	3		
Screwdriver orientation for terminals			Head up		
External metal parts (screws, shaft)			Stainless steel		
Terminal capacity with flexible/solid wires	Max	mm² AWG	2x 6 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	neat test IEC60068-2-30 90-100% RH at +55 °C				



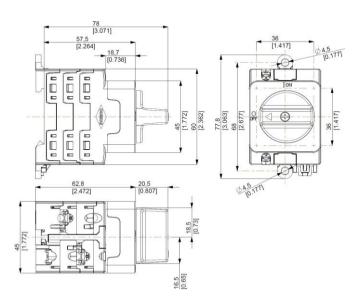
Positions





Knob

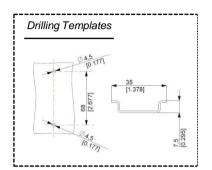
Dimensions



Screwdriver orientation

for terminals

Electrical Diagram



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