DP100121E0ADRND

CE TÜV SÜD CCC

Technical data according to IEC 60947-3:2015/A2 AnnexD

			PV1 (DC21B)	PV2
Utilization category				
Rated operational voltage	Ue	V dc	1000	1000
Rated operational current	Ie	A dc	12	4
Rated operational voltage (second rating)	Ue	V dc	750	750
Rated operational current (second rating)	Ie	A dc	25	10
Rated operational voltage (third rating)	Ue	V dc	600	600
Rated operational current (third rating)	Ie	A dc	32	16
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)	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. 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

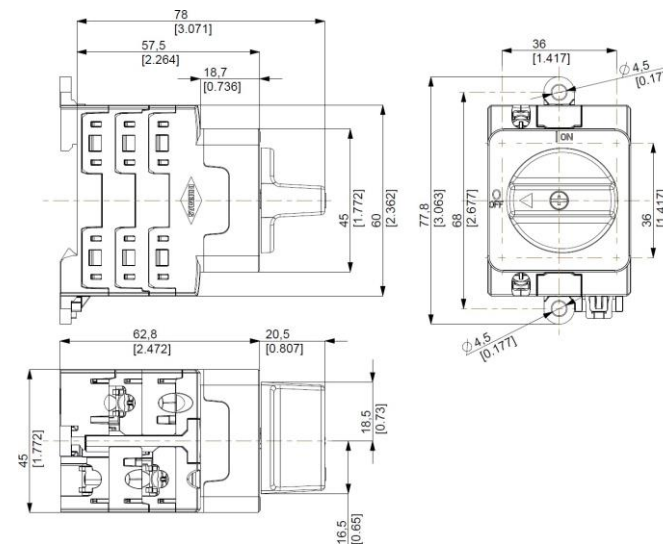|			
Pollution degree ins.			2
Operational ambient temperature		°C	-40 ÷ +70
Storage ambient temperature		°C	-40 ÷ +85
Damp heat test IEC60068-2-30			90-100% RH at +55 °C

Screwdriver orientation for terminals

Knob

20.4 [0.80"] / 35 [1.38"] / 16.5 [0.65"] / 13.5 [0.53"] / 33 [1.30"]

Positions

1
0
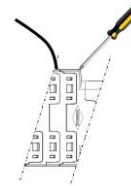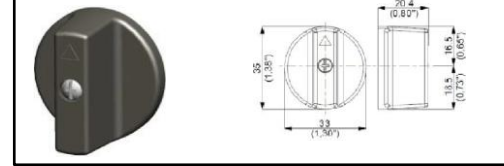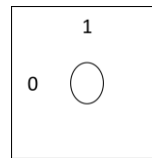
Electrical Diagram

Layer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Marking	-1	+1														
	⊖ ⊕	EMPTY														
Marking	-1	+1														
0/OFF																
I/ON	X	X														

Dimensions

78 [3.071] / 57,5 [2.264] / 18,7 [0.736] / 45 [1.772] / 60 [2.362] / 77,8 [3.063] / 68 [2.677] / 36 [1.417] / 36 [1.417] / Ø 4,5 [0.177] / 62,8 [2.472] / 20,5 [0.807] / 18,5 [0.73] / 45 [1.772] / 16,5 [0.65]

Drilling Templates

Ø 4,5 [0.177] / 35 [1.378] / 68 [2.677] / Ø 4,5 [0.177] / 7,5 [0.295]