DP10012120ATRV4

CE · TÜV · CCC

Technical data according to IEC 60947-3:2015/A2 AnnexD			PV1 (DC21B)	PV2
Utilization category			PV1 (DC21B)	PV2
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			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			Panel mounting Head Up Screws with 4x36 fixing tapping screws
Layers		Nr.	2
Screwdriver orientation for terminals			Head up
External metal parts (Screws, shaft)			Stainless steel
Terminal capacity with flexible/solid wires	Max	mm² AWG	2x6 10
Terminal capacity with fork terminals	Max	mm² AWG	1x16 6
Thread dimensions for terminal screws			M4
Terminal screws tightening torque		Nm	1,7 ± 10%
Tightening torque panel mounting screws		Nm	1,1+/-10%
Tightening torque M3 screw in the actuator		Nm	0,6 ± 10%
Panel tickness		mm	Max 4
Shaft protrusion		mm	18,2
Actuator operation forces		Nm	1,5
Net Weight		g	170

Protection degree IEC 529 EN 60529		
Switch IP terminal		IP20
Switch IP rating mounted on panel		IP66

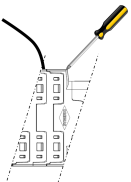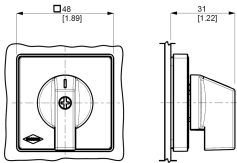| Ambient conditions		
Pollution degree ins.		2
Operational ambient temperature		-40°C ÷ +70°C
Storage ambient temperature		-40°C ÷ +85°C
Damp heat test IEC60068-2-30		90-100% RH at +55 °C

Screwdriver orientation for terminals

Knob

□48 [1.89]   31 [1.22]

Positions

1
0
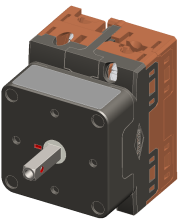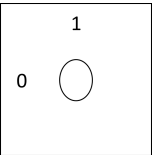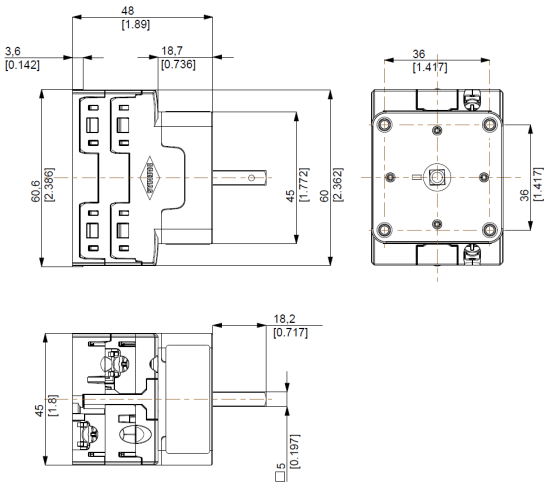
Electrical Diagram

Layer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Marking	-1	+1														

	-	+														
Marking	-1	+1														
0/OFF																
I/ON	X	X														

Dimensions

48 [1.89]
3,6 [0.142]   18,7 [0.736]
60,6 [2.386]   45 [1.772]   60 [2.362]
36 [1.417]   36 [1.417]

18,2 [0.717]
45 [1.8]   □ [0.197]

Drilling Templates

36 [1.417]   Max.4 [0.157]
Ø 5 [0.197]   36 [1.417]
Ø 10 [0.394]