Knob



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ISO 9001 Certified Quality System

# DK10016420AVMVU5





UV resistant

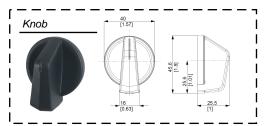


Utilization category			PV1 (DC21B)	PV2		
Rated operational voltage	Ue	V dc	1200	-		
Rated operational current	le	A dc	8	-		
Rated operational voltage (second rating)	Ue	V dc	1000	1000		
Rated operational current (second rating)	le	A dc	16	6		
Rated operational voltage (third rating)	Ue	V dc	750	750		
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	Ith	Α	50			
DC Poles		Nr.	8			
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)	lcw	Α	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	Α	50			
Mechanical characteristics						
Type of mounting			Double mounting ( Head Up Screws panel with M16 L=12mm fixing /Bac for DIN rail			
Layers		Nr.	8			
Screwdriver orientation for terminals			Head	up		
External metal parts (Screws, shaft)			Stainless			
Terminal capacity with flexible/solid wires	Max	mm² AWG	2x6 2x10			
Terminal capacity with fork terminals	Max	mm² AWG	1x16 1x6			
Thread dimensions for terminal screws			M4			
Terminal screws tightening torque		Nm	1,7 ± 1	0%		
Tightening torque panel mounting nut		Nm	2+/-1	0%		
Tightening torque M3 screw in the actuator		Nm	0,6 ± 1			
Panel tickness		mm	Max	4		
Shaft protrusion		mm	27			
Actuator operation forces		Nm	1,5			
Net Weight		g	380	)		
Protection degree IEC 529 EN 60529						
Switch IP terminal			IP20	)		
Switch IP rating mounted on panel			IP66	5		
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 . FF °C		



#### Screwdriver orientation for terminals





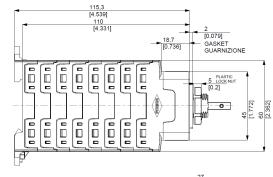
### **Positions**

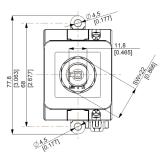


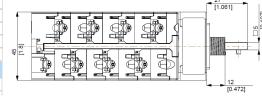
## Electrical Diagram

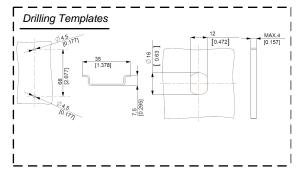
Layer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Marking	-4	+4	-3	+3	-2	+2	-1	+1								
Marking	-4	+4	-3	+3	-2	+2	-1	+1								
0/OFF																
I/ON	X	X	X	X	Х	Х	X	Х								

#### **Dimensions**









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