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ISO 9001 Certified Quality System

DX120304E0AVML5

Damp heat test IEC60068-2-30





90-100% RH at +55 °C

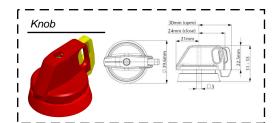


Utilization category			PV1 (DC21B)	PV2		
Rated operational voltage	Ue	V dc	1500	1500		
Rated operational current	le	A dc	10	5		
Rated operational voltage (second rating)	Ue	V dc	1250	1250		
Rated operational current (second rating)	le	A dc	20	8		
Rated operational voltage (third rating)	Ue	V dc	1000	1000		
Rated operational current (third rating)	le	A dc	30	12		
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	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	A	780			
Rated short-circuit making capacity	lcm	kA	1,4			
Power loss per layer at 20A/50A	ICIII	W	0,2/1,25			
Max fuse size for short circuit protection	gPV	A	50			
Mechanical characteristics	8. 1		30			
Type of mounting			Double mounting (Head Up Screws panel with M16 L=12mm fixing /Back for DIN rail			
Layers		Nr.	9			
Screwdriver orientation for terminals			Head	up		
External metal parts (Screws, shaft)			Stainles	s steel		
Terminal capacity with flexible/solid wires	Max	mm² AWG	2x6 2x10			
Terminal capacity with fork terminals		mm²	1x1 1x6			
	Max	AWG.	1//			
Thread dimensions for terminal screws	Max	AWG	M			
Thread dimensions for terminal screws Terminal screws tightening torque	Max		M4			
Terminal screws tightening torque	Max	Nm Nm	1,7 ± 1	10%		
Terminal screws tightening torque Tightening torque panel mounting nut	Max	Nm	1,7 ± 1 2+/-1	L0% 0%		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator	Max	Nm Nm Nm	1,7 ± 1	10% 0% 10%		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness	Max	Nm Nm	1,7 ± 1 2+/-1 0,6 ± :	0% 10% 14		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion	Max	Nm Nm Nm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27	10% 0% 10% : 4		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± :	10% 0% 10% 4		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight	Max	Nm Nm Nm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27	10% 0% 10% 4		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight Protection degree IEC 529 EN 60529	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27 1,5	10% 0% 10% 4 5		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight Protection degree IEC 529 EN 60529 Switch IP terminal	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27 1,5 43:	10% 00% 100% 4 4 5 3		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight Protection degree IEC 529 EN 60529 Switch IP terminal Switch IP rating mounted on panel	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27 1,5	10% 00% 100% 4 4 5 3		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight Protection degree IEC 529 EN 60529 Switch IP terminal Switch IP rating mounted on panel	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27 1,5 43:	10% 00% 100% 4 4 5 3		
	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± : Max 27 1,5 43:	10% 00% 100% 4 4 5 3		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight Protection degree IEC 529 EN 60529 Switch IP terminal Switch IP rating mounted on panel Ambient conditions Pollution degree ins. Operational ambient temperature	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ± Max 27 1,5 43: IP2 IP6	10% 00% 100% 4 5 3 0 6		
Terminal screws tightening torque Tightening torque panel mounting nut Tightening torque M3 screw in the actuator Panel tickness Shaft protrusion Actuator operation forces Net Weight Protection degree IEC 529 EN 60529 Switch IP terminal Switch IP rating mounted on panel Armbient conditions Pollution degree ins.	Max	Nm Nm Nm mm mm	1,7 ± 1 2+/-1 0,6 ±: Max 27 1,5 43: IP20	10% 0% 10% 4 5 3 0 6		



Screwdriver orientation for terminals





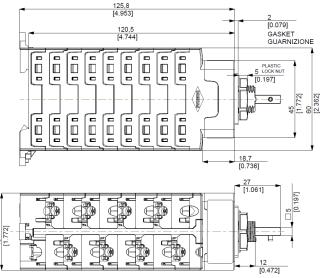
Positions

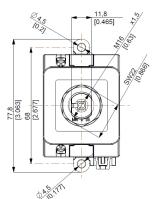


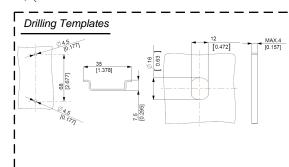
Electrical Diagram

Layer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Marking	-4	+4	-3	+3	-2	+2	-1	+1								
									E M P T Y							
Marking	-4	+4	-3	+3	-2	+2	-1	+1								
0/OFF																
I/ON	X	X	X	X	X	X	X	Х								

Dimensions







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