

7GN12135O48 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation Notary tains Product type designation 7GN12 General characteristics 135 - Multi-step Switching diagram 0.1-2.3 poles N° of elements 3 Oddary dami 9000000000000000000000000000000000000
General Characteristics 135 - Multi-ster Switching diagram 0-1-2 3 poles N° of elements 3 Mounting form 048 - Modular service cover 1 Mounting form 35mm din rail mounting with black handle Contact characteristics 3 Rated insulation voltage Ui IEC/EN V IEC/EN V 690 QUL/CSA V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 16 QUL/CSA A 15 Rated operational voltage V 480 Rated operational voltage V 480 10 25kA A 10 Rated short time current Icw 1s A 16 10/x A 10 Rated short time current Icw 1s A 200 10/x A 10 Conductivity 1s A 200 10/y 10/y M/y Operational current Ie IEC/EN AC1/AC21A 10/y 10/y AC1/AC21A 10/y
Switching diagram 135 - Multi-step N° of elements 3 Mounting form 35mm din rail Rated insulation voltage Ui IEC/EN V IEC/EN V 690 UL/CSA V 600 Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 16 UL/CSA A 15 Rated operational voltage V 480 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 16 15kA A 10 25kA A 10 Rated short time current Icw 1s A 200 10/5 mA/V Operational current le IEC/EN 10/5 mA/V 10/5 mA/V 0/5 mA/V
Switching diagram 0-1-2 3 poles N° of elements 3 Mounting form 35mm din rail Mounting form 35mm din rail Rated insulation voltage Ui IEC/EN V 690 UL/CSA V 600 600 Rated insulation voltage Uimp kV 6 6 Conventional free air thermal current Ith IEC/EN Rated operational voltage V 480 Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG) 10kA A 16 15kA A 10 Rated short time current Icw 1s A 25kA A 1s A 200 10/5 mA/V Operational current Ie IEC/EN 10/5 mA/V
Mounting form O48 - Modular service cover f 35mm din rail mounting with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V 600 Rated impulse withstand voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 16 UL/CSA A 18 A 10 Rated short time current Icw 11 10 Rated short time current Icw 11 A 10 10 Rated short time current Icw 11 A 12 A 13 A 200 10/5 mA/V Operational current IcR 10/5 mA/V
Mounting form service cover f 35mm din rail mounting with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V 0UL/CSA V Rated impulse withstand voltage Uimp kV Conventional free air thermal current Ith IEC/EN A 0UL/CSA A 0UL/CSA A 16 UL/CSA UL/CSA A 15 Rated operational voltage Rated operational voltage V 480 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA 10kA A 16 15kA A 10 Rated short time current Icw 1s A 1s A 200 Conductivity 10/5 mA/V Operational current Ie IEC/EN 10/5 mA/V
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Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 16 UL/CSA A 15 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 16 15kA A 10 25kA A 10 Rated short time current Icw 1s A 200 Conductivity 10/5 mA/V 0perational current le IEC/EN AC1/AC21A 10/5 mA/V
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UL/CSAA15Rated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection ln (gG)10kAA1615kAA1025kAA10Rated short time current lcw1sA20010/5 mA/VConductivity10/5 mA/V10/5 mA/VOperational current le IEC/EN AC1/AC21AXXX
Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection ln (gG)10kAA1610kAA1025kAA1025kAA1025kAA10Rated short time current lcw1sA200Conductivity10/5 mA/VOperational current le IEC/EN AC1/AC21A
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15kAA1025kAA10Rated short time current lcw1sA200Conductivity10/5 mA/VOperational current le IEC/EN AC1/AC21A10/5 mA/V
25kA A 10 Rated short time current lcw 1s A 200 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN AC1/AC21A V V
Rated short time current Icw 1s A 200 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A
1s A 200 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A
Operational current le IEC/EN AC1/AC21A
AC1/AC21A
A 16 AC15
110V A 10
220/230V A 8
380/400V A 4
660/690V A 1.5
Rated operational power in AC
Three-phase AC-3
220/230V kW 2.5 380/440V kW 4
500/690V kW 5.5
Single-phase AC-3
110V kW 0.8
220/230V kW 1.5
380/440V kW 2.2
Three-phase AC23A
220/230V kW 3 380/440V kW 5.5
500/690V kW 7.5
Single-phase AC23A
110V kW 0.8
220/230V kW 1.7

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		380/440V	kW	3
Rated operational cur	rent in DC			
	DC21A			
		48V	А	12
		60V	А	12
		110V	Α	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	А	10 (2)
		60V	А	10 (3)
		110V	А	5 (3)
		220V	А	5 (4)
	DC13			- ()
		24V	А	12
		48V	A	10
		40V 60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.4
Dower dissinction		440 V	 	
Power dissipation			VV	0.8
Mechanical features				MO
Terminals screw			NL	M3
Tightening torque for t	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	-	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10⁰
UL technical data			-	
Motor power for direct	t-on-line control			
	for three-phase motor			
	· · · · ·	120V	HP	1.5
		240V	HP	3
	for single-phase motor	2.01		
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
remperature	Operating temperature			
	Operating temperature		°C	25
		min	°C °C	-25
		max	°C	+55
	Storage temperature	<u>.</u>	^ ~	10
		min	°C	-40

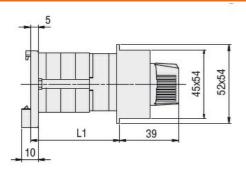
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 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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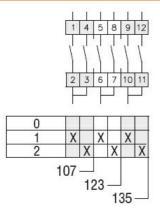
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	max °C +70
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



Cariaa	L1		
Series	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

Wiring diagrams



Certifications and compliance

Com	pliance
COIII	pliance

	CSA C22.2 n° 14	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete

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