

7GN1290048 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation			Rotary cam
-			switches
Product type designation			7GN12
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			O48 - Modular
			service cover for
Mounting form			35mm din rail
			mounting with black handle
Contact characteristics			DIACK NANGIE
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	v	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	16
	UL/CSA	Α	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
Detect chart time current low	25kA	A	10
Rated short time current Icw	1s	А	200
Conductivity	15	A	 10/5 mA/V
Operational current le IEC/EN			10/3 IIIA/ V
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
;	380/400V	А	4
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	/		
	220/230V	kW	2.5
	380/440V	kW	4
Single-phase AC-3	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.8
	220/230V	kW	1.5
	220/230V 380/440V	kW	2.2

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Three-phase AC23A

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	220/230V	kW	3	-
	380/440V	kW	5.5	

		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cu	rrent in DC			
-	DC21A			
		48V	А	12
		60V	А	12
		110V	А	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	A	5 (3)
		220V	A	5 (4)
	DC13	2201		0 (4)
	5013	24V	А	12
		48V	A	10
		40V 60V	A	
		110V		8
			A	1
		220V	A	0.4
<u> </u>		440V	<u>A</u>	0.15
Power dissipation			W	0.8
Mechanical features				M3
Terminals screw	torminala may		Nimo	
Tightening torque for			Nm	0.5
Conductor size	ANAC Divid apple			
	AWG - Rigid cable		A \ A/O	00
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		min Max	AWG AWG	20 14
	Conductor size (IEC) - Flexible cable	Max	AWG	14
	Conductor size (IEC) - Flexible cable	Max min	AWG	14 0.5
		Max	AWG	14
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max	AWG mm² mm²	14 0.5 2.5
		Max min Max min	AWG mm ² mm ² mm ²	14 0.5 2.5 0.5
		Max min Max	AWG mm² mm²	14 0.5 2.5 0.5 2.5
Mechanical life		Max min Max min	AWG mm ² mm ² mm ²	14 0.5 2.5 0.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	14 0.5 2.5 0.5 2.5
	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	14 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG mm² mm² mm² cycles	14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG mm² mm² mm² cycles	14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable ct-on-line control for three-phase motor	Max min Max min Max 120V	AWG mm² mm² mm² cycles	14 0.5 2.5 0.5 2.5 3x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable ct-on-line control for three-phase motor	Max min Max min Max 120V 240V	AWG mm² mm² mm² cycles HP HP	14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3

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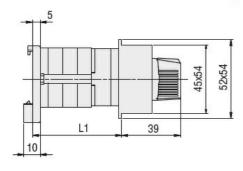
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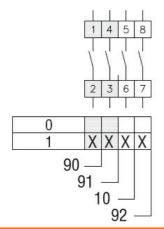
Ambient conditions Temperature

remperature					
	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature				
		min	°C	-40	
		max	°C	+70	
Resistance & Prote	ection				
Frontal IP degree				IP40	
Terminals IP degre	e			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

Compliance

·	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

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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete