



ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam switches
Product type designat				7GN12
General characteristic	S			26 - 3-phase
Switching diagram				motor reversing switch with spring return
N° of elements				3
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics Rated insulation voltage				
		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta Conventional free air t			kV	6
		IEC/EN UL/CSA	A A	16 15
Rated operational volt	age		V	480
Rated operational imp			kV	4
Maximum fuse size fo	r short-circuit protection In (gG)			
		10kA	A	16
		15kA	A	10
Rated short time curre	ant low	25kA	A	10
Raled Short lime cure		1s	А	200
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A		A	16
	AC15			
		110V	А	10
		220/230V	А	8
		380/400V	A	4
Deted energianel new		660/690V	A	1.5
Rated operational pow	Three-phase AC-3			
	Thee-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
		1100	17.4.4	0.0

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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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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur				
	DC21A			
		48V	Α	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	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	А	10
		60V	А	8
		110V	А	1
		220V	А	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				010
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
	AWG - Rigid cable			
	AWG - Nigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AWG	12
	AWG - Flexible cable		A. M.O.	00
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable		2	
		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 direc				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature	max	5	

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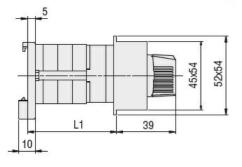
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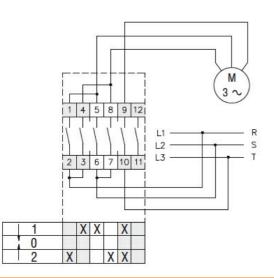
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	

Dimensions



Series	L1			
	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

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
ETIM classification	

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ETIM 8.0

EC001029 -Selector switch, complete