

ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam
_				switches
Product type designation				7GN12
General characteristics Switching diagram				25 - 1-phase motor reversing switch with spring return
N° of elements				2
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 withstan Conventional free air th			kV	6
Conventional free all th	ermai current itii	IEC/EN UL/CSA	A A	16 15
Rated operational volta	-		V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)	10kA 15kA 25kA	A A A	16 10 10
Rated short time currer	nt Icw	2010 (- , ,	
		1s	Α	200
Conductivity				10/5 mA/V
Operational current le l				
	AC1/AC21A		Α	16
	AC15	110V	Α	10
		220/230V	A	8
		380/400V 660/690V	A A	4
Rated operational power	or in AC	000/090 V	A	1.5
rated operational power	Three-phase AC-3			
	mee phase rie e	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
	Three-phase AC23A	380/440V	kW	2.2
	Tillee-priase AC23A	220/230V	kW	3
		380/440V 500/690V	kW kW	5.5 7.5
	Single-phase AC23A	300/0907	r v v	1.5
	Single phase Nozon	110V	kW	0.8



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Rated operational current in DC					
Rated operational current in DC DC21A			220/230V	kW	1.7
DC21A			380/440V	kW	3
Max	Rated operational cur				
Conductor size Cond		DC21A			
1100					
Part					
DC23A (poles in series)					
DC23A (poles in series)					
A			440V	A	0.25
A		DC23A (poles in series)			
Conductor size Cond				Α	
110V				Α	10 (2)
DC13			60V	Α	10 (3)
DC13			110V	Α	5 (3)
DC13			220V	Α	5 (4)
A		DC13			• • • • • • • • • • • • • • • • • • • •
A			24V	Α	12
Conductor size (IEC) - Flexible cable Max			48V		
110V					
Power dissipation					
Power dissipation W 0.8					
Power dissipation W					
Mechanical features	Dawer dissination		440 V		
Terminals screw				VV	0.8
Tightening torque for terminals max					MO
AWG - Rigid cable		Construction of the constr		N. I	
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 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5 Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1.5 240V HP		terminais max		NM	0.5
Max AWG 12	Conductor size				
Max AWG 12 AWG - Flexible cable min AWG 20 Max AWG 14 AWG		AWG - Rigid cable			
AWG - Flexible cable min Max 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 3x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V					
Max AWG 20 Max AWG 14			Max	AWG	12
Max		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable			min	AWG	20
Max min mm² 0.5 Max mm² 2.5			Max	AWG	14
Max min mm² 0.5 Max mm² 2.5		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable			min	mm²	0.5
Conductor size (IEC) - Rigid cable			Max	mm²	2.5
Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions 240V HP 1 Temperature Operating temperature min °C -25 max °C +55		Conductor size (IEC) - Rigid cable			
Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control 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			min	mm²	0.5
Mechanical life cycles 3x10 ⁶ UL technical data Motor power for direct-on-line control 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					
Motor power for direct-on-line control	Mechanical life		man		
Motor power for direct-on-line control for three-phase motor 120V				3,0100	
for three-phase motor 120V		t-on-line control			
120V	oto: powor for difeo				
240V HP 3		ioi tiliee-pilase iliotoi	4001/	Пυ	1 5
To single-phase motor					
120V		for about all and accounts	240V	нР	3
Ambient conditions 240V HP 1		ror single-phase motor			o =
Ambient conditions Temperature Operating temperature min °C -25 max °C +55					
Temperature Operating temperature min °C -25 max °C +55			240V	HP	1
Operating temperature min °C -25 max °C +55					
min °C -25 max °C +55	Temperature				
max °C +55		Operating temperature			
			min	°C	-25
			max	°C	+55
		Storage temperature			





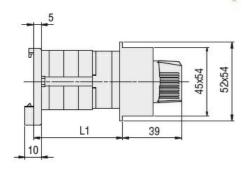
ENERGY AND AUTOMATION

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min	°C	-40
max	°C	+70

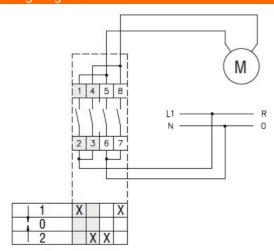
	 •	
Resistance & Protection		
Frontal IP degree		IP40
Terminals IP degree		IP00

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

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