

7GN12110 ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
Mounting form			O - Rear mounting with black handle
Contact characteristics			
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		۸	4.0
	IEC/EN	A	16
Rated operational voltage	UL/CSA	A V	15 480
Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ΚV	4
	10kA	А	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	16
AC15			
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A	4 1.5
Rated operational power in AC	000/090V	A	1.5
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
	000,0001		
Single-phase AC23A		12\A7	0.8
Single-phase AC23A	110V 220/230V	kW kW	0.8 1.7

Rated operational current in DC

7GN12110

ova electric ENERGY AND AUTOMATION

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	DC21A			
		48V	А	12
		60V	А	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	0.01		40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V 110V	A A	10 (3)
		220V	A	5 (3) 5 (4)
	DC13	220 V	Α	5 (4)
	0013	24V	А	12
		48V	A	10
		40V 60V	A	8
		110V	A	1
		220V	A	0.4
		220V 440V	A	0.4
Power dissipation		440 V	W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals 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	3x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor	4001		4 5
		120V	HP	1.5
	for single phase meter	240V	HP	3
	for single-phase motor	120V	HP	0.5
		120V 240V	пР HP	0.5 1
Ambient conditions		2401		•
Temperature				
remperature	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature	max	<u> </u>	
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			

7GN12110

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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Frontal IP degree Terminals IP degree

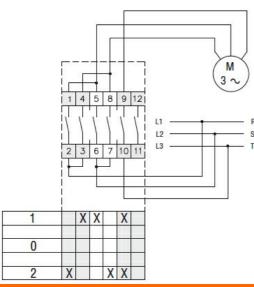
Dimensions



max 15 ¢, æ Z, -5 × 0 0 D2

Series	Dimensions						L Number of elements													
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

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