



# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Draduot designation				Rotary cam
Product designation				switches
Product type designati				7GN40
General characteristics				44 0 mh
Switching diagram				11 - 3-phase motor reversing switch
N° of elements				3
				P - Plastic
Mounting form				enclosure with black handle
Contact characteristics	8			
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	Α	40
		UL/CSA	Α	50
Rated operational volta			V	480
Rated operational imp			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	40
		15kA	Α	40
		25kA	Α	40
		50kA	Α	40
		63kA	Α	40
Rated short time curre	nt Icw			
		1s	kA	1000
		60s	Α	1000
Conductivity	IEO/EN			10/5 mA/V
Operational current le				
	AC1/AC21A			40
	1015		Α	40
	AC15	440)/	۸	0.5
		110V	A	25
		220/230V	A	22
		380/400V 660/690V	A A	12 2
Rated operational pow	er in AC	000/090 V		
rvaren oberarionar bom	Three-phase AC-3			
	Three-phase AC-3	220/230V	kW	8
		380/440V	kW	o 15
		500/690V	kW	15
	Single-phase AC-3	300/090 V	KVV	13
	Single-phase AU-3	110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A	000/TT0 V	17.4.4	
	Throo phase Nozon	220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A	330/030 V		
	g.o p	110V	kW	3
		1101		



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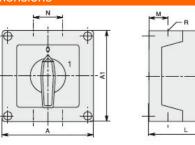
		220/230V	kW	6
		380/440V	kW	11
Rated operational cui	rrent in DC			
·	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
	· · (  · · · · · · · · · · · · · · · · · ·	24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	A	20 (3)
		220V	A	12 (4)
	DC13	220 V		12 (4)
	DC13	24V	۸	40
			A	40
		48V	A	32
		60V	A	16
		110V	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for	terminals max		Nm	1.2
Conductor size				_
	AWG - Rigid cable			
	-	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
	Conductor CLES (ILES) Trovilles Galles	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable	Wick		
	Conductor size (IEC) - Rigid cable	min	mm²	1.5
		Max	mm²	10
Mechanical life		IVIAA		5x10 <sup>6</sup>
UL technical data			cycles	SX 10°
Motor power for direct	at an line central			
wotor power for direc				
	for three-phase motor	40017	וור	E
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			_
		120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
	Storage temperature	min	°C	-40

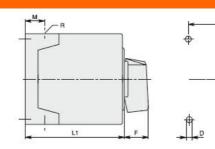
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Resistance & Protection
Frontal IP degree
Terminals IP degree
IP00

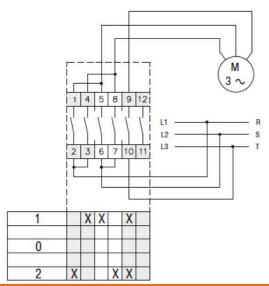
#### **Dimensions**





Series	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
Series		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6			0000	00000		2400.0	100000				500° 0000 000 0000	04600-000
7GN25	]	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4			3,593		1.00.000		31-3-4				3855-5-5550-555	28-28-20-20
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8							1					
7GN20		1 - 4	5 - 8												
7GN25	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32	]	1-3	4 - 5	110	110	90.4	83	4.5	32	21	39.5	65.5	119.5	4XPG21	1700
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												100
7GN40	000000000000000000000000000000000000000	1 - 2	3 - 4	105	175	140	440		32	21	68	040	1100	4xPG21	IDCE
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		32	35	76	101	175	4xPG29	IDec
7GN63	1	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
7GN125		1-2	3 - 4												

### Wiring diagrams



### Certifications and compliance

### Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1



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### 7GN4011P

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Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch