



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

Product designation			Rotary cam
Product type designation			switches 7GN40
General characteristics			7 31140
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui	150/51		
	IEC/EN	V	690
Dated impulse with stond valters I lines	UL/CSA	V	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		kV	6
Conventional free all triefmal current fill	IEC/EN	Α	40
	UL/CSA	A	50
Rated operational voltage	02/00/1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			<u>-</u>
,	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	Α	40
	63kA	Α	40
Rated short time current lcw			
	1s	Α	1000
	60s	A	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		•	40
0045		Α	40
AC15	110V	Α	25
	220/230V	A	22
	380/400V	A	12
	660/690V	Α	2
Rated operational power in AC	333,3331		
Three-phase AC-3			
'	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3			
	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
Three-phase AC23A			_
	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22



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		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cu	urrent in DC			
rated operational of	DC21A			
	DOZIA	48V	Α	40
		60V	A	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	Α	20 (3)
		220V	Α	12 (4)
	DC13	220 V		12 (4)
	2010	24V	۸	40
			A	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for	r terminals max		Nm	1.2
Conductor size	i terminale max		14111	1.2
Conductor Size	ANAC Digid cable			
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
	00.100010. 0.20 (.20) 1.10/110/0	min	mm²	1.5
		Max	mm²	6
	One director sine (IEO). Direid cable	IVIAX	1111111	0
	Conductor size (IEC) - Rigid cable			4 5
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire	ct-on-line control			
	for three-phase motor			
	1	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			
	Operating temperature	ma:	°C	25
		min	°C	-25
		max	°C	+55
	Storage temperature			

**ENERGY AND AUTOMATION** 

Frontal IP degree

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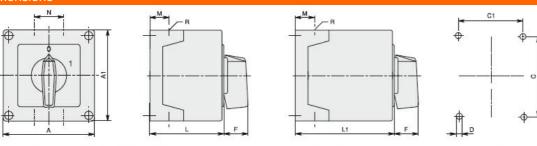
min °C -40 max °C +70

IP65

	max	°C	+70
Resistance & Protection			

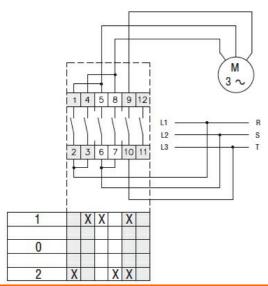
Terminals IP degree IP00

#### **Dimensions**



Series	Enclosure size	Number o	f elements	Dimensions					ale:	Cable	Protection				
		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	
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	0.000	190000					20000		10.27000000			A 4000000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4												
7GN40		1	2 - 3												
7GN12	110x110	1 - 4	5 - 8												270
7GN20		1 - 4	5 - 8												
7GN25		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	30.4	03	4.5	32	21	39.3	00.0	119.5	47.021	11.02
7GN40		1 - 2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												633
7GN40		1-2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	120	173	140	112	0.0	32	21	00	04.0	110.5	2xPG11	11 00
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1 - 3	4 - 6	100	234	120	130	0.0	02	- 55	,,,	121	1/3	2xPG11	11 00
7GN125		1-2	3 - 4												

## Wiring diagrams



## Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3



## 7GN4011P

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IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch