



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary			
_	20			cam switch 7GN12			
Product type designation General characteristics				7GN12			
Switching diagram				26 - 3-phase motor reversing switch with spring return			
N° of elements				3			
Mounting form				P25 - Plastic enclosure with red/yellow handle			
Contact characteristics							
Rated insulation voltage	e Ui			690			
		IEC/EN A UL/CSA A V k\ ion In (gG) 10kA A 15kA A					
Rated impulse withstar	nd voltage Uimp		kV	6			
Conventional free air th	ermal current Ith						
			Α	16			
		UL/CSA	A	15			
Rated operational volta				480			
Rated operational impu			kV	4			
Maximum fuse size for	short-circuit protection In (gG)	4 Ok A	۸	16			
				10			
			A	10			
Rated short time curre	nt Icw	2010 (- 7 (10			
rated errort time earror		1s	kA	200			
Conductivity				10/5 mA/V			
Operational current le	EC/EN			_			
•	AC1/AC21A						
			Α	16			
	AC15						
		110V	Α	10			
		220/230V	Α	8			
		380/400V	A	4			
Data demonstrate and accord	and in AO	660/690V	Α	1.5			
Rated operational pow							
	Three-phase AC-3	220/230V	kW	2.5			
		380/440V	kW	4			
		500/690V	kW	5.5			
	Single-phase AC-3						
	3 1	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			
	0	500/690V	kW	7.5			
	Single-phase AC23A	44074	1.7.67	0.0			
		110V	kW	0.8			
		220/230V 380/440V	kW kW	1.7 3			
		300/4401	IX V V				



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Rated operational cu				
	DC21A			
		48V	Α	12
		60V	A	12
		110V	A	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	10 (1)
		48V	Α	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	Α	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
5		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				140
Terminals screw				M3
Fightening torque fo	r terminals 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		2	0.5
		min	mm²	0.5
	0 1 (50) 5(1)	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
Marilian Productive		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
JL technical data	set an line control			
Motor power for dire				
	for three-phase motor	4001/	110	4 5
		120V	HP	1.5
	fan skanla alaga e e e e	240V	HP	3
	for single-phase motor	4001/	LID.	0.5
		120V 240V	HP HP	0.5
		7401/	ᆸ	1
\mhiont conditions		Z-10 V	1 11	
		240 (111	
		2401	111	
Ambient conditions Temperature	Operating temperature			25
	Operating temperature	min	°C	-25
				-25 +55
	Operating temperature Storage temperature	min max	°C °C	+55
		min	°C	



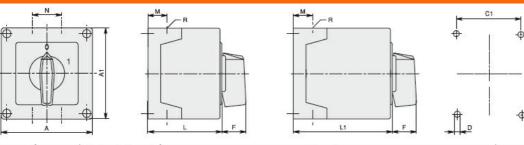
ENERGY AND AUTOMATION

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Resistance & Protection

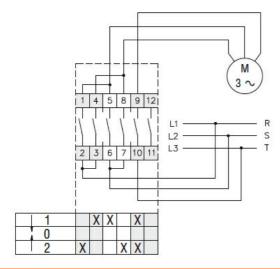
Frontal IP degree IP65
Terminals IP degree IP00

Dimensions



Series	Enclosure size	Number o	f elements	Dimensions									Cable	Protection	
		L	L1	Α	A1	C	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			0.00	100000	10000000	2000	100000				200000000000000000000000000000000000000	100000000000000000000000000000000000000
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							337.55					31-30-34-17
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
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	00	4.5	32	21	39.3	00.0	119.5	47.5021	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												191
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	123	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	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	33	,,,	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

IEC/EN/BS 60947-5-1

Certificates

EAC





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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete