

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation General characteristics			7GN25
Switching diagram			26 - 3-phase motor reversing switch with spring return
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui	150/51	. ,	
	IEC/EN	V V	690
Rated impulse withstand voltage Uimp	UL/CSA	kV	600
Conventional free air thermal current Ith		πV	
Some modern modern modern miles	IEC/EN	Α	25
	UL/CSA	Α	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
	25kA	A	25
Rated short time current Icw	4 -	1. 0	400
Conductivity	1s	kA	400 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 111/4/ V
AC1/AC21A			
7.6 11/1.62 17.1		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	220/2201/	LAAA	E
	220/230V 380/440V	kW kW	5.5 7.5
	500/690V	kW	7.5 7.5
Single-phase AC-3	000,0001		
3 1	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			_
	220/230V	kW	6.5
	380/440V	kW	11
Cinalo phono ACCOA	500/690V	kW	
Single-phase AC23A	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5
The characteristic described to the control of the	-4:		-

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Mechanical features					
ABV	Rated operational cu	urrent in DC			
BOV		DC21A			
110V				Α	
DC23A (poles in series)					
DC23A (poles in series)					
24V			220V	Α	0.7
ABV		DC23A (poles in series)	201		07 (4)
BOUY					
1100					
DC13					
DC13					
24V		DC13	220 V		10 (4)
ABV		D013	24\/	Α	25
Conductor size (IEC) - Flexible cable Max					
110V					
Province 150 1.1					
Power dissipation W 1.1					
Machanical features	Power dissipation			W	
AWG - Rigid cable	Mechanical features				
AWG - Rigid cable Max	Terminals screw				M3.5
AWG - Rigid cable min		r terminals max		Nm	0.8
Max AWG 20 Max AWG 10 AWG Flexible cable	Conductor size				
Max AWG 10 AWG - Flexible cable min AWG 20 Max AWG 12 Max AWG 12 Max AWG 12 Max Mm² 4 Max Max Max Max Max Ma		AWG - Rigid cable			
AWG - Flexible cable min AWG 20 Max AWG 12 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 4 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Mechanical life cycles 5x10° JL technical data Motor power for direct-on-line control for three-phase motor 120V HP 3 240V HP 5 480V HP 10 600V HP 15 for single-phase motor 120V HP 1.5 240V HP 3 240V HP 3 Ambient conditions Temperature min °C -25 max °C +55 Storage temperature min °C -40					
Max			Max	AWG	10
Max		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max min mm² 0.5 Max mm² 4 Max mm² 4		One division size (IEO). Flavible cable	Max	AWG	12
Max mm² 4 Max mm² 4		Conductor size (IEC) - Flexible cable		· 2	0.5
Conductor size (IEC) - Rigid cable					
Max min mm² 0.5 Max mm² 4 Mechanical life cycles 5x106		Conductor size (IEC) - Pigid cable	IVIAX	111111	4
Mechanical life cycles 5x10° Max mm² 4 Mechanical life cycles 5x10° Motor power for direct-on-line control for three-phase motor		Conductor size (IEC) - Nigia cable	min	mm²	0.5
Mechanical life cycles 5x106 JL technical data Motor power for direct-on-line control for three-phase motor 120V HP 3 240V HP 5 480V HP 10 600V HP 15 15 120V HP 1.5 240V HP 3 3 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
## Discrete Control Motor power for direct-on-line control 120V	Mechanical life		IVICA		
Motor power for direct-on-line control for three-phase motor 120V				0,0.00	0,710
for three-phase motor 120V		ct-on-line control			
120V	•				
240V		•	120V	HP	3
600V HP 15			240V	HP	
for single-phase motor 120V HP 1.5 240V HP 3 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
120V			600V	HP	15
240V HP 3 Ambient conditions Temperature		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40			240V	HP	3
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
min °C -25 max °C +55 Storage temperature min °C -40	l emperature				
Storage temperature max °C +55 min °C -40		Operating temperature		2.2	0.5
Storage temperature min °C -40					
min °C -40		01	max	,C	+55
		Storage temperature		°C	40
max C +/0					
			IIIdX	C	+/U

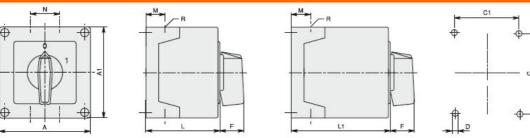
ENERGY AND AUTOMATION

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Resistance & Protection

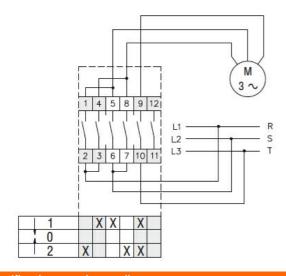
Frontal IP degree IP65
Terminals IP degree IP00

Dimensions



Carias	Enclosure	nclosure Number of elements	f elements	Dimensions								Cable	Protection			
Series Enclosur		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	2000	1000		10000	9800000	4504	10000	1000		1000000	2000 1211 2010 2010	1000000000	
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													
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	113.5	4/1/021	11 03	
7GN40		1-2	3 - 5													
7GN63		1-2	3 - 4													
7GN32	125x175	1-3	4 - 5												***	
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	175	140	112	0.0	02	21	00	04.0	110.0	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	204	120	130	0.0	02	- 55	,,,	,21	,,,,	2xPG11	11 33	
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

7GN2526P

EAC





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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete