

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

Product designation				Enclosed rotary
Product type designation	nn			cam switch 7GN125
General characteristics				7 011120
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	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	ermal current Ith			
		IEC/EN	A	125
		UL/CSA	A	130
Rated operational volta			V	690
Rated operational impu			kV	6
Maximum fuse size for	short-circuit protection In (gG)	401.4		40-
		10kA	A	125
		15kA	A	100
		25kA	A	100
		50kA	A	100
Rated short time currer	at law.	63kA	Α	100
Rated short time currer	It ICW	4.0	LεΛ	2400
Conductivity		1s	kA	2100 10/5 mA/V
Conductivity Operational current le	IEC/EN			10/5 IIIA/ V
Operational current le	AC1/AC21A			
	ACT/ACZTA		Α	125
	AC15			123
	AC13	110V	Α	40
		220/230V	A	28
		380/400V	A	15
		660/690V	Α	5
Rated operational power	er in AC	000,000		
. tatou oporational por	Three-phase AC-3			
	p	220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
	. .	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	Three-phase AC23A			
	•	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	Single-phase AC23A			
		110V	kW	5



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		220/230V	kW	11
		380/440V	kW	15
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)	<u> </u>		
	· · (p)	24V	Α	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	A	50 (3)
		220V	A	20 (4)
	DC12	220 V		20 (4)
	DC13	241/	٨	105
		24V	A	125
		48V	A	100
		60V	A	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for to	erminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	7.1.1 C Talgia casis	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	IVICA	71110	170
	AWG - I lexible cable	min	AWG	14
	O I (1	Max	AWG	1/0
	Conductor size (IEC) - Flexible cable		2	0.5
		min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	50
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct	-on-line control			
	for three-phase motor			
	·	120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor	000 V		10
	ioi sirigie-priase motor	120V	ШΡ	5
			HP	
A male is not as a selitive as		240V	HP	15
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	$^{\circ}\mathrm{C}$	-40

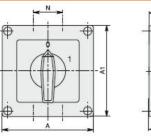
ENERGY AND AUTOMATION

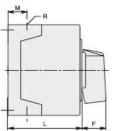
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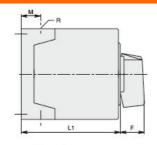
max °C +70

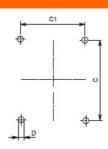
Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



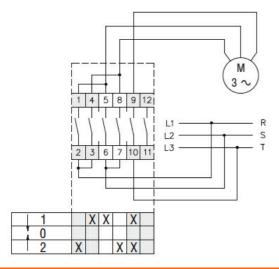






Series	Enclosure size	Number o	f elements	Dimensions							Cable	Protection			
		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	Protection degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	1	1-3	4 - 6												
7GN25	1	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	3,550.1	20000	53.905	1990	13100000	50-853	2000			10000000	34.0-220000	0.0000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												-
7GN20		1 - 4	5 - 8												
7GN25	1	1-3	4 - 5	440	440	00.4	83	4.5	32	04	20.5	05.5	110 5	40004	IDOC
7GN32	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN40	1	1-2	3-5												
7GN63	1	1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40		1-2	3 - 4	405	475	440	440			0.4	-00	040	4400	4xPG21	IDOE
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		20	25	70	404	175	4xPG29	IDCE
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

Certificates





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EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete