

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN12
General characteristics			
Switching diagram			25 - 1-phase motor reversing switch with spring return
N° of elements			2
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	16
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection	on In (gG)		
	10kA	Α	16
	15kA	Α	10
	25kA	Α	10
Rated short time current lcw			
	1s	A	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
-	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
0: 1 1 100	500/690V	kW	5.5
Single-phase AC-3		1-147	0.0
	110V	kW	0.8
	220/230V	kW	1.5
Throa phase ACCC	380/440V	kW	2.2
Three-phase AC23		1/\//	2
	220/230V 380/440V	kW kW	3 5.5
	500/690V	kW	5.5 7.5
Single-phase AC23		IN V V	1.0
Single-phase ACZ	110V	kW	0.8
	220/230V	kW	1.7
		17.4.4	



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		380/440V	kW	3
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	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	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
Conductor size				
0011000101 0120	AWG - Rigid cable			
	7.VV C Trigita dabie	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Wax	71110	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
	One dustancias (IEO). Divid cable	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	·	ma 15 = 2	0.5
		min	mm²	0.5 2.5
		R # -		/ h
Maabaalaaliifi		Max	mm²	
Mechanical life		Max	mm² cycles	3x10 ⁶
UL technical data		Max		
		Max		
UL technical data	-on-line control for three-phase motor		cycles	3x10 ⁶
UL technical data		120V	cycles	3x10 ⁶
UL technical data	for three-phase motor		cycles	3x10 ⁶
UL technical data		120V 240V	cycles HP	3x10 ⁶ 1.5 3
UL technical data	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V	cycles HP	3x10 ⁶ 1.5 3
UL technical data Motor power for direct-	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 120V 240V	HP HP HP	3x10 ⁶ 1.5 3 0.5 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 120V 240V	HP HP HP	3x10 ⁶ 1.5 3 0.5 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor Operating temperature	120V 240V 120V 240V	HP HP HP	3x10 ⁶ 1.5 3 0.5 1

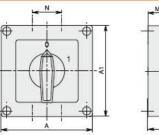
ENERGY AND AUTOMATION

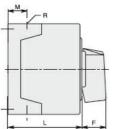
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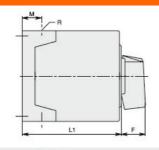
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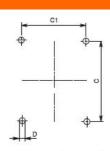
Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



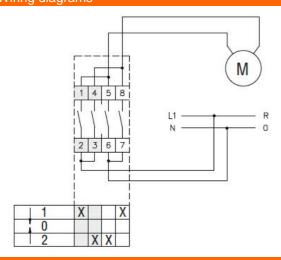






Series 1	Enclosure	Number o	f elements	Dimensions							Cable	Protection			
	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20]	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0.000	14000					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												6.5
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	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	- 55	,,,	121	175	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

ETIM classification



7GN1225P

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ETIM 8.0

EC001029 -Selector switch, complete