ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE



Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			11 2 mb a a a
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			
	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	A	15
Rated operational voltage		V V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	4014	۸	4.0
	10kA 15kA	A	16 10
	25kA	A A	10
Rated short time current lcw	ZJRA		10
Nated Short line current low	1s	kA	200
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			10/0 11// 0
AC1/AC21A			
7.6 11/1.62 17.1		Α	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
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
Ti A COCC	380/440V	kW	2.2
Three-phase AC23A			



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Single-phase AC23A Rated operational current in DC DC21A DC23A (poles in series)	220/230V 380/440V 500/690V 110V 220/230V 380/440V 48V 60V 110V 220V	kW kW kW kW kW	3 5.5 7.5 0.8 1.7 3
Rated operational current in DC DC21A	500/690V 110V 220/230V 380/440V 48V 60V 110V	kW kW kW	7.5 0.8 1.7
Rated operational current in DC DC21A	500/690V 110V 220/230V 380/440V 48V 60V 110V	kW kW kW	7.5 0.8 1.7
Rated operational current in DC DC21A	110V 220/230V 380/440V 48V 60V 110V	kW kW kW	0.8 1.7
Rated operational current in DC DC21A	220/230V 380/440V 48V 60V 110V	kW kW	1.7
DC21A	220/230V 380/440V 48V 60V 110V	kW kW	1.7
DC21A	380/440V 48V 60V 110V	kW A	
DC21A	48V 60V 110V	А	3
DC21A	48V 60V 110V	А	
DC21A	60V 110V		
	60V 110V		
DC23A (poles in series)	60V 110V		
DC23A (poles in series)	110V		12
DC23A (poles in series)		Α	12
DC23A (poles in series)		Α	4
DC23A (poles in series)	/////	Α	0.6
DC23A (poles in series)			
DC23A (poles in series)	440V	Α	0.25
	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	Α	8
	110V	Α	1
	220V	Α	0.4
	440V	Α	0.15
Power dissipation		W	0.8
Mechanical features		**	0.0
			140
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
Conductor size			
AWG - Rigid cable			
7 Trigid Gabio	min	AMC	20
	min	AWG	20
	Max	AWG	12
AWG - Flexible cable			
	min	AWG	20
	Max	AWG	14
Condustor size (IEC) Flavible coble	IVICA	,,,,,,	
Conductor size (IEC) - Flexible cable		•	o =
	min	mm²	0.5
	Max	mm²	2.5
Conductor size (IEC) - Rigid cable			
3, 3,	min	mm²	0.5
	Max	mm²	2.5
Marilland at Pfe	iviax		
Mechanical life		cycles	3x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
ioi tilico pilaso motor	4001/	HР	1 5
	120V	HP	1.5
	240V	HP	3
for single-phase motor			
.	120V	HP	0.5
	240V	HP	1
Ambient conditions	24U V	111	·
Ambient conditions			



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Temperature

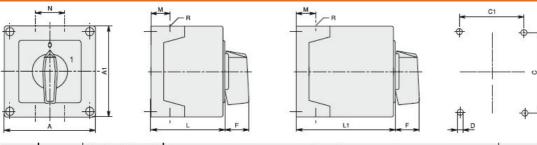
Operating temperature

-				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions

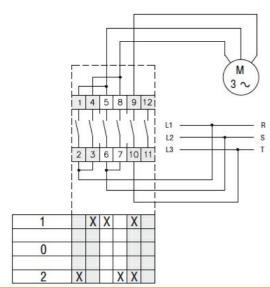


Series	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Selles	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6				00000							1907 TO NO. 104 NO.	0.0000000000000000000000000000000000000
7GN25]	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			3,593		1.00.000		50555		0.00000000		31-11-7-02000000	20000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1-4	5 - 8												
7GN25	1	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	96.4	83	4.5	32	21	39.5	80.0	119.5	4XPG21	IPOD
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												-
7GN40	200000000000000000000000000000000000000	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	1102	4xPG21	IP65
7GN63		1 - 2	3 - 4	125	1/5	140	112	5.5	32	21	00	04.3	118.3	2xPG11	1200
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		32	35	76	101	175	4xPG29	IDec
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

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Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete