

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

Product designation Switches switches switches Product type designation 7GN63 General characteristics 11 - 3-phase motor reversing switch N° of elements 3 Mounting form P - Plastic enclosure with black handle Contact characteristics IEC/EN V 690 Rated insulation voltage Ui IEC/EN V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current lth IEC/EN A 63 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 63 Rated short time current lcw 1s kA 63 Rated short time current lcw 1s kA 1600 Conductivity 10/5 mA/V
Switching diagram 11 - 3-phase motor reversing switch N° of elements 3 Mounting form P - Plastic enclosure with black handle Contact characteristics IEC/EN V 690 UL/CSA V 600 Rated insulation voltage Ui IEC/EN V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 63 UL/CSA A 60 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 63 15kA A 63 25kA A 63 25kA A 63 36kA A 63 Rated short time current Icw 1s kA 63 1600 36kA A 63 36k
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Rated operational impulse voltage kV 4
Maximum fuse size for short-circuit protection In (gG) 10kA A 63 15kA A 63 25kA A 63 25kA A 63 50kA A 63 63kA A 63 63kA A 63 Rated short time current Icw 1s kA 1600 Conductivity 10/5 mA/V Operational current Ie IEC/EN
10kA A 63 15kA A 63 25kA A 63 63kA A 6
15kA A 63 25kA A 63 50kA A 63 63kA A 6
25kA A 63 50kA A 63 63kA A 6
SokA A 63 63kA A 6
Rated short time current Icw 1s kA 1600 Conductivity 10/5 mA/V Operational current Ie IEC/EN
Conductivity Operational current le IEC/EN 1s kA 1600 10/5 mA/V
Conductivity 10/5 mA/V Operational current le IEC/EN
Operational current le IEC/EN
·
AC1/AC21A
ACT/ACZTA
A 63
AC15
110V A 32
220/230V A 25
380/400V A 15
Retad energtional power in AC
Rated operational power in AC
Three-phase AC-3 220/230V kW 11
380/440V kW 18.5
500/690V kW 18.5
Single-phase AC-3
110V kW 3.7
220/230V kW 6.5
380/440V kW 11.5
Three-phase AC23A
220/230V kW 12.5
380/440V kW 30
500/690V kW 30
Single-phase AC23A 110V kW 3.7



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		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curr	rent in DC			
·	DC21A			
		48V	Α	63
		60V	Α	50
		110V	Α	8
		220V	A	1
	DC23A (poles in series)	220 V		<u> </u>
	DOZDA (poles ili selles)	24V	٨	EO (1)
		48V	A	50 (1)
			A	50 (2)
		60V	A	50 (3)
		110V	A	25 (3)
	-	220V	Α	15 (4)
	DC13			
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for to	erminals may		Nm	2
Conductor size	Cirilliais max		14111	
Conductor Size	AMC Digid cable			
	AWG - Rigid cable		414/0	4.4
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable			
	(/ 3	min	mm²	2.5
		Max	mm²	16
Mechanical life		Max	cycles	5x10 ⁶
UL technical data			Cyclos	3710
Motor power for direct	-on-line control			
motor power for direct				
	for three-phase motor	40011		7.5
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			
		120V	HP	3
		240V	HP	10
Ambient conditions				
Temperature				
	Operating temperature			
	Sporating temperature	min	°C	-25
			°C	
	Characte temporatives	max	U	+55
	Storage temperature		^~	40
		min	°C	-40

IP65

ENERGY AND AUTOMATION

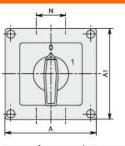
Resistance & Protecti Frontal IP degree

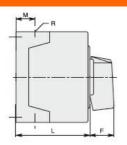
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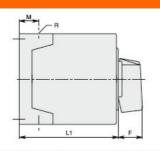
	max	°C	+70	
ion				

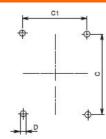
Terminals IP degree IP00

Dimensions



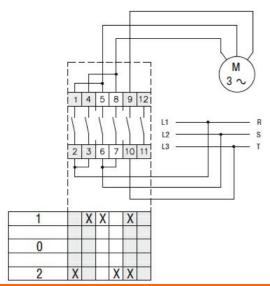






Carias	Enclosure	Number o	f elements	ts					Dimensions					Cable	Protection
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0.000	14000		2000			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	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	90.4	00	4.5	32	21	39.5	00.0	119.5	417421	100
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	123	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	1100
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	190	5.5	32	35	10	121	1/5	2xPG11	1100
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

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ENERGY AND AUTOMATION

7GN6311P

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Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch