

ENERGY AND AUTOMATION

7	Lavado 0	
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Product designation			Rotary cam switches
Product type designation			7GN63
General characteristics			
Switching diagram			92 - ON/OFF switch 4 poles
N° of elements			2
TV OF GIGHTONIC			P - Plastic
Mounting form			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	.= 0 /= : :		
	IEC/EN	A	63
	UL/CSA	A V	60 480
Rated operational voltage Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		K V	4
Maximum ruse size for short-circuit protection in (go)	10kA	Α	63
	15kA	A	63
	25kA	Α	63
	50kA	Α	63
	63kA	Α	63
Rated short time current Icw			
	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		۸	00
AC15		A	63
AC15	110V	Α	32
21	20/230V	A	25
	30/400V	Α	15
	60/690V	Α	4
Rated operational power in AC			
Three-phase AC-3			
	20/230V	kW	11
	80/440V	kW	18.5
	00/690V	kW	18.5
Single-phase AC-3	440\/	1,107	2.7
	110V 20/230V	kW kW	3.7 6.5
	20/230V 30/440V	kW	6.5 11.5
		17.4.4	11.0



electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE **ENERGY AND AUTOMATION**

	Three-phase AC23A			
		220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curre	ent in DC			
•	DC21A			
		48V	Α	63
		60V	Α	50
		110V	Α	8
		220V	A	1
	DC23A (poles in series)	2201	- , ,	
	DOZON (poics in series)	24V	Α	50 (1)
		48V		
		60V	A A	50 (2) 50 (3)
		110V		50 (3)
			A	25 (3)
	D040	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 max		Nm	2
Conductor size				
	AWG - Rigid cable			
	· ·	min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			
	THE TRANSPORTE	min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable	IVICA	,,,,,	
	Conductor Size (IEO) - I lexible cable	min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable	iviax	111111	1 0
	Conductor Size (IEC) - Rigid cable	m:-	mm²	2.5
		min	mm²	2.5
NA121 PC -		Max	mm²	16
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		480V 600V	HP HP	25 25
	for single-phase motor			
	for single-phase motor			
	for single-phase motor	600V 120V	HP	3
Ambient conditions	for single-phase motor	600V	HP HP	25



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Temperature

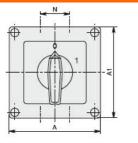
Operating temperature

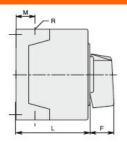
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

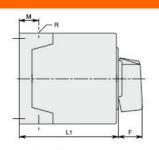
Resistance & Protection

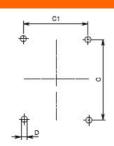
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



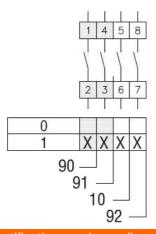






Carias	Enclosure	Number of	f elements	Dimensions							Cable	Protection			
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4	ova											
7GN20		1 - 2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1 - 3	4 - 6												
7GN20		1-3	4 - 6	2000		0.00	10210	9800000	4600	1500-01	V 2005		The second	2000 1211 2010 2010	
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												3,500,000
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	09.0	00.0	119.5	4/1/021	11 03
7GN40		1 - 2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	3	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	1/3	140	112	0.0	32	21	00	04.3	110.3	2xPG11	11.02
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	,,,	121	1/3	2xPG11	11 00
7GN125		1-2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN6392P

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IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch