

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE **ENERGY AND AUTOMATION**

Product designation			Enclosed rotary cam switch
Product type designation General characteristics			7GN12
Switching diagram			92 - ON/OFF switch 4 poles
N° of elements			2
Mounting form			P25 - Plastic enclosure with red/yellow 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	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4	۸	4.0
	10kA 15kA	A A	16 10
	25kA	A	10
Rated short time current lcw	ZUKA		10
react short time current lew	1s	kA	200
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			10/0 1111 4 4
AC1/AC21A			
		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	440)/		0.0
	110V	kW	0.8
	220/230V	kW	1.5
Throo phase AC22A	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3
	380/440V	kW	5 5.5
	500/690V	kW	7.5
Single-phase AC23A	000/000 V	17.4.4	1.0
Single phase Nozon	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			



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	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V		0.23
	DOZOA (poles ili selles)	24V	Α	10 (1)
				` '
		48V	A	10 (2)
		60V	A	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 te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	Trigid dable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAA	AWG	12
	AVVG - Flexible cable		A1A/O	00
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions		Z-70 V		·
Temperature				
· omporatoro	Operating temperature			
	operating temperature	min	°C	-25
			°C	-25 +55
	Ctorogo tomporatura	max	U	+∪∪
	Storage temperature		0.0	40
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			



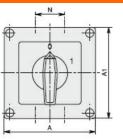
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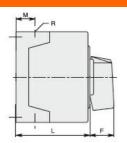
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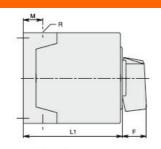
Frontal IP degree IP65

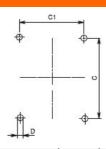
Terminals IP degree IP00

Dimensions



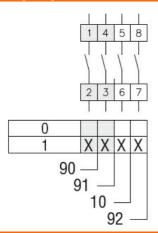






Carias	Enclosure size	Number o	f elements	Dimensions							Cable	Protection			
Series		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	0.000		0.000	100000	10000000	2000	100000				200000000000000000000000000000000000000	
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		31-3-4				31-31-7-5255-534-1	20000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8							1					
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	90.4	83	4.5	32	21	39.5	65.5	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	105	475	4.40	440	5.5	32	21	68	040	440.0	4xPG21	IDCE
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	66	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	400	054	400	100		20	25	70	404	475	4xPG29	IDOC
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

EAC

ETIM classification

ETIM 8.0

7GN1292P25

EC001029 -Selector switch, complete

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