electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE **ENERGY AND AUTOMATION**



Product designation			Enclosed rotary
Product type designation			cam switch 7GN40
General characteristics			
Switching diagram			91 - ON/OFF switch 2 poles
N° of elements			1
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	.= 0 /= 1		4.0
	IEC/EN	A	40
Rated operational voltage	UL/CSA	A V	50 480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	
Maximum rado dizo for orion dironk protoculori in (go)	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	Α	40
	63kA	Α	40
Rated short time current Icw			
	1s	kA	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	40
AC15			40
7,010	110V	Α	25
	220/230V	Α	22
	380/400V	Α	12
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3		,	
	220/230V	kW	8
	380/440V 500/690V	kW kW	15 15
Single-phase AC-3	300/090 V	r.vv	10
Omgio phase no-s	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8



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ENERGY	ANID	ALIT/	AMC	TION

	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	40
		60V	A	40
		110V	A	6
		220V	A	0.9
	DC22A (polos in corios)	220 V		0.9
	DC23A (poles in series)	241/	۸	40 (4)
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for to	erminals max		Nm	1.2
Conductor size				
0011000101 0120	AWG - Rigid cable			
	AWO Rigid cable	min	AWG	16
		Max	AWG	8
	AWC Florible cable	IVIAX	AWG	
	AWG - Flexible cable		A1A/O	40
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable		_	
		min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	-on-line control			
·	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single phase meter	V UU V	ПĽ	۷۵
	for single-phase motor	40017	LID	2
		120V	HP	2
		240V	HP	5
Ambient conditions				



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Temperature

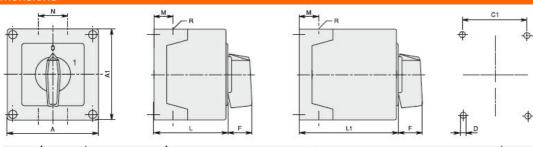
Operating temperature

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

Resistance & Protection

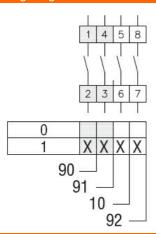
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



Carias	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
	size	L	L1	Α	A1	С	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	2400	100000				200000000000000000000000000000000000000	124000-00-0
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			3.55				37-33					30.00.0000
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	05.5	119.5	41/10/21	1100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40	2	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							l.	L.				
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	76	121	1/5	2xPG11	1100
7GN125		1-2	3 - 4	×.											

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN4091P

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

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete