



# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 2 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Product designation Product type designation				Enclosed rotary cam switch 7GN40
General characteristics				7 61110
Switching diagram				123 - Multi-step 0-1-2 2 poles
N° of elements				2
Mounting form				P - Plastic enclosure with black handle
Contact characteristics				
Rated insulation voltage Ui				
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstand volta			kV	6
Conventional free air thermal of	current Ith			
		IEC/EN	Α	40
		UL/CSA	Α	50
Rated operational voltage			VV	480
Rated operational impulse vol			kV	4
Maximum fuse size for short-o	circuit protection in (gG)	4.01.4	۸	40
		10kA 15kA	A A	40 40
		25kA	A	40
		50kA	A	40
		63kA	Α	40
Rated short time current Icw				
		1s	kA	1000
Conductivity				10/5 mA/V
Operational current le IEC/EN				
AC1/A	AC21A			
			Α	40
AC15			_	
		110V	A	25
		220/230V	A	22
		380/400V 660/690V	A A	12 2
Rated operational power in AC		000/0901		
·	e-phase AC-3			
111100	, phace / to e	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	15
Single	e-phase AC-3			
		110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
Three	e-phase AC23A		,	•
		220/230V	kW	8
		380/440V	kW	18.5
Cin and	nhone AC22A	500/690V	kW	22
Single	e-phase AC23A	110V	kW	3
		220/230V	kW	3 6
		220/230 V	1 \ V V	J



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		380/440V	kW	11
Rated operational cur	rent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)	0.41.4		10 (1)
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
	D040	220V	Α	12 (4)
	DC13	0.41/	۸	40
		24V	A	40
		48V	A	32
		60V	A	16
Dower dissipation		110V	A	3
Power dissipation  Mechanical features			W	2.0
Terminals screw				M4
Tightening torque for	terminale may		Nm	1.2
Conductor size	terminais max		INIII	1.2
Conductor Size	AWG - Rigid cable			
	AWG - Nigiti cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	IVIAX	AVVG	0
	AVVG - I lexible cable	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	10
	Conductor Size (ILC) - I lexible cable	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable	IVICA	111111	
	Conductor size (IEO) - Rigid cable	min	mm²	1.5
		Max	mm²	10
Mechanical life		IVICA	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	5X10
Motor power for direc	t-on-line control			
, and and	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			
	•	120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

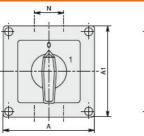
**ENERGY AND AUTOMATION** 

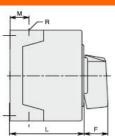
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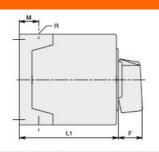
## Resistance & Protection

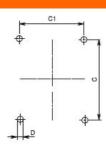
Frontal IP degree IP65
Terminals IP degree IP00

#### **Dimensions**



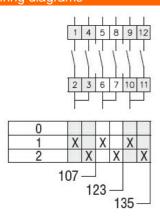






Series En	Enclosure	Number o	Number of elements				Dimensions						Cable	Protection	
	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6		1000	0000	10000	9800000	46250	10000	1000		1000000	2000 1211 2010 2010	1000000000
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												
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	7.0	02	"	00.0	00.0	113.5	TAIGET	11 00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												101
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	120	173	140	112	0.0	32	21	00	04.0	110.5	2xPG11	11 00
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40	1	1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63	1	1 - 3	4 - 6	100	234	120	130	0.0	52	33	10	121	1/3	2xPG11	11 00
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** 

EC001029 -Selector switch, complete





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