



# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 2 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Product designation Product type designation			Enclosed rotary cam switch 7GN40
General characteristics			7 31110
Switching diagram			86 - Multi-step 1- 2-3 2 poles
N° of elements			3
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 voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	40
	UL/CSA	Α	50
Rated operational voltage		V	480
Rated operational impulse voltage	- (0)	kV	4
Maximum fuse size for short-circuit protection Ir	(6)	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/AC21A			
		Α	40
AC15			
	110V	A	25
	220/230V	A	22
	380/400V	A	12
Poted energtional power in AC	660/690V	Α	2
Rated operational power in AC Three-phase AC-3			
Tillee-phase A0-3	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3			
	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
Three-phase AC23A		_	
	220/230V	kW	8
	380/440V	kW	18.5
0	500/690V	kW	22
Single-phase AC23A	440)/	12///	2
	110V 220/230V	kW kW	3 6
	ZZU/Z3UV	IX V V	



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		380/440V	kW	11
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	A	20 (3)
	7040	220V	Α	12 (4)
	DC13	0.417		40
		24V	A	40
		48V	A	32
		60V	A	16
Dawer diam'r (' · ·		110V	Α	3
Power dissipation			W	2.0
Mechanical features Terminals screw				M4
	torminals may		Nm	1.2
Tightening torque for Conductor size	terminals max		INIII	1.2
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	IVIAX	AVVG	0
	AVVG - Flexible Cable	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	IVICA	700	10
	Conductor size (ILC) - I lexible cable	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable	IVICA	111111	
	Conductor size (ILC) - rigid cable	min	mm²	1.5
		Max	mm²	10
Mechanical life		IVIOX	cycles	5x10 <sup>6</sup>
UL technical data			Oyoloo	OXTO
Motor power for direct	ct-on-line control			
	for three-phase motor			
	•	120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			
	<b>.</b>	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

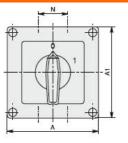
**ENERGY AND AUTOMATION** 

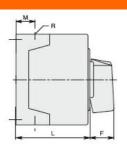
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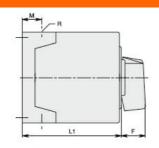
### Resistance & Protection

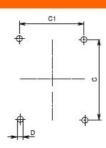
Frontal IP degree IP65
Terminals IP degree IP00

#### Dimensions



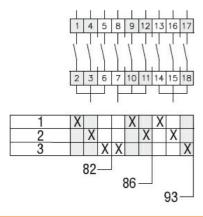






Series	Enclosure size	Number o	f elements	ents Dimensions					***	Cable	Protection				
		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	2000	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	4.0	02		00.0	00.0	110.0	TAI GET	11 00
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	120	170	140	1112	0.0	02		00	04.0	110.0	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	.50	234	1.20		0.0	52	50		,,,,,		2xPG11	50
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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