

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation  General characteristics			7GN12
			07 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			22mm mixing
Rated insulation voltage Ui			
Traise modification voltage of	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	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	16
	15kA	Α	10
B. I.I. I.	25kA	Α	10
Rated short time current Icw	1.0	LεΛ	200
Conductivity	1s	kA	200 10/5 mA/V
Operational current le IEC/EN			10/3 IIIA/ V
AC1/AC21A			
NO I/NOZ IN		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
0: 1 1 100	500/690V	kW	5.5
Single-phase AC-3	440\/	1.1.07	0.0
	110V 220/230V	kW kW	0.8 1.5
	380/440V	kW	2.2
Three-phase AC23A	300/440V	L V V	۷.۷
Tilled phase /1020/1	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
<b>3</b> 1	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3



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Rated operational cur	rent in DC			
'	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	<del>-</del>		
	(p = = = = = = = = = = = = = = = = = =	24V	Α	10 (1)
		48V	Α	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13	2201	- , ,	0 ( .)
	2010	24V	Α	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		440 V	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for	torminals may		Nm	0.5
Conductor size	terrilliais max		INIII	0.5
Conductor size	ANC Digid coble			
	AWG - Rigid cable		A1A/O	00
		min	AWG	20
	AMO Electrical	Max	AWG	12
	AWG - Flexible cable	•	A14/O	00
		min	AWG	20
	O I (150) Fig. 11 I.	Max	AWG	14
	Conductor size (IEC) - Flexible cable			0.5
		min	mm²	0.5
	0 1 ( 150) 5::1	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	•		0.5
		min	mm²	0.5
NA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data	Construction I			
Motor power for direct				
	for three-phase motor	4001	1.15	4 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			0.5
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
	-	max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70



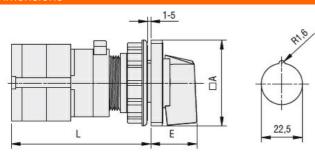
**ENERGY AND AUTOMATION** 

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# Resistance & Protection

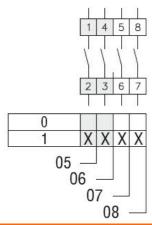
Frontal IP degree	IP40
Terminals IP degree	IP00

#### Dimensions



Series	Dimensions		L			
	□A	Е	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

## Wiring diagrams



### Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete