

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 1 POLE 16A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product type designation 7GN12 General characteristics Switching diagram 82 - Multi-step 2-3 1 pole N° of elements 2 U47 - Snap or fron mounting	Product designation			Rotary cam
Switching diagram See See Multi-step 2-3 pole 2-3 pole	•			
Switching diagram R2 - Multi-step 2-31 pole N° of elements 2 2 1 1 1 1 1 1 1 1				7GN12
Mounting form Water State Water Water State Water Wate				82 - Multi-step 1- 2-3 1 pole
Mounting form Mounting for	N° of elements			2
Rated insulation voltage Ui				with black handle for hole diam.
IEC/EN UL/CSA V 690				
Rated impulse withstand voltage Uimp Rated impulse withstand voltage Uimp Rated impulse withstand voltage Uimp Rated operational free air thermal current Ith Rated operational voltage V 480 Rated operational impulse voltage V 480 Rated operational impulse voltage V 480 Rated operational impulse voltage Rated operational impulse voltage Rated operational impulse voltage Rated operational impulse voltage Rated short time current Icw Rated Short time current Icw	Rated insulation voltage Ui	IEC/EN	17	600
Rated impulse withstand voltage Uimp Rated impulse withstand voltage Uimp IEC/EN A 16 UL/CSA A 15 IEC/EN A 10 IEC/				
Conventional free air thermal current Ith	Rated impulse withstand voltage Uimp	OLICOA		
Rated operational voltage				
Rated operational voltage		IEC/EN	Α	16
Rated operational impulse voltage Rated short time current lcw 15 kA 200		UL/CSA	Α	15
Maximum fuse size for short-circuit protection In (gG) 10kA	Rated operational voltage		V	480
10kA A 16 15kA A 10 25kA A 200 2			kV	4
15kA A 10 25kA A 10 16 25kA A 16 25kA A 16 25kA A 16 25kA A 10	Maximum fuse size for short-circuit protection In (gG)		_	
Rated short time current Icw 1s				
Rated short time current lcw				
1s	Pated chart time current law	ZOKA	Α	10
Conductivity	Nated Short time current icw	19	kΔ	200
Operational current le IEC/EN AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 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 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A	Conductivity	10	10 (
AC1/AC21A AC15 AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 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 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 2.2				
AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 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 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A	•			
110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5			Α	16
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 110V kW 0.8 220/230V kW 2.2 Three-phase AC23A 220/230V kW 3 3	AC15			_
380/400V				
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 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3				
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 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3				
Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3	Dated analysis and payor in AC	660/690V	Α	1.5
220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3				
380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3	Tillee-pliase AO-3	220/230\/	k\/\/	2.5
Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3				
Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3				
110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3	Single-phase AC-3			
380/440V kW 2.2 Three-phase AC23A 220/230V kW 3	• ,	110V	kW	0.8
Three-phase AC23A 220/230V kW 3		220/230V	kW	1.5
220/230V kW 3		380/440V	kW	2.2
	Three-phase AC23A	000/000	130	0
380/440V KW 5.5				
500/690V kW 7.5				
Single-phase AC23A	Single-phase AC23A	300/0907	r. v v	1.0
110V kW 0.8	Olligio pilase AozoA	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)	-		
	(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 ⁶
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

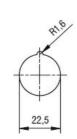


ENERGY AND AUTOMATION

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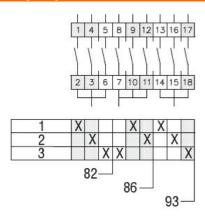
Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00 Dimensions

1-5



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