



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 2 POLES 16A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product type designation	Product designation			Rotary cam switches
Switching diagram 124 - Multi-step 0-1-2-3 2 poles N° of elements 3 147 - Snap of elements 3 147 - Snap of elements 3 147 - Snap of elements 147 - Sn	Product type designation General characteristics			7GN12
Mounting form War				
Mounting form Section Section	N° of elements			
Rated insulation voltage Ui	Mounting form			fron mounting with black handle for hole diam.
Rated impulse withstand voltage Uimp	Contact characteristics			ZZIIIII IIIXIIIg
Rated impulse withstand voltage Ulimp				
Rated impulse withstand voltage Uimp				
Conventional free air thermal current Ith	Rated impulse withstand voltage Uimp	0 L/ 0 C/ K		
Commonweal Com				
Rated operational voltage		IEC/EN	Α	16
Rated operational impulse voltage		UL/CSA	Α	15
Maximum fuse size for short-circuit protection In (gG)	Rated operational voltage		V	480
10kA	Rated operational impulse voltage		kV	4
15kA A 10 25kA A 10 20 20 20 20 20 20 20	Maximum fuse size for short-circuit protection In (gG)			
Rated short time current Icw 1s				
Rated short time current low				
Three-phase AC-3 Three-phase AC-3 Three-phase AC23A Three-	B. I. I. I. I.	25kA	Α	10
Conductivity	Rated short time current Icw	4 -	LεA	200
A	Conductivity	18	KA	
AC1/AC21A A 16 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 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.5 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC23A 110V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A				10/3 1114/ V
A 16 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 110V kW 0.8 220/230V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.5 380/440V kW 5.5 Single-phase AC23A 110V kW 5.5 500/690V kW 7.5 Single-phase AC23A				
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 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 110V kW 0.8 220/230V kW 1.7	AOTAOZIA		Α	16
110V	AC15			
Rated operational power in AC Three-phase AC-3		110V	Α	10
Rated operational power in AC			Α	
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 3 380/440V kW 5.5 500/690V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5		380/400V	Α	4
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 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 3 220/230V kW 1.7		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 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	· ·			
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 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	Three-phase AC-3			
Single-phase AC-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 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	0: 1 1 100	500/690V	kW	5.5
220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	Single-phase AC-3	440\/	[2] [4]	0.0
380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	Three-phase AC23A	300/440 V	IV V V	۷.۷
380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	THIO PHOST NOZON	220/230V	kW	3
500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
110V kW 0.8 220/230V kW 1.7	Single-phase AC23A			
	.	110V	kW	0.8
380/440V kW 3		220/230V	kW	1.7
		380/440V	kW	3





7GN12124U47

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Rated operational c				
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	1101	- / \	0.20
	DC23A (poles ili selles)	24V	۸	10 (1)
		48V	A	10 (1)
			A	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	A	0.15
Power dissipation		7701	W	0.8
Mechanical features	<u> </u>		V V	0.0
Terminals screw				M3
	er terminale may		Nm	
Tightening torque fo	ir terminais max		INIII	0.5
Conductor size				
	AWG - Rigid cable	_		
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVICA	cycles	3x10 ⁶
UL technical data			Cycles	JA 10
Motor power for dire	ect-on-line control			
Motor Power for dife				
	for three-phase motor	4001/	ווס	1 E
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
	3 1	min	°C	-40
		max	°C	+70
		· · · · · · · · · · · · · · · · · · ·		· · · ·

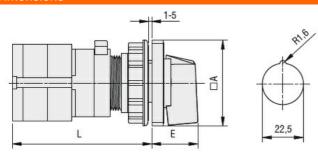


ENERGY AND AUTOMATION

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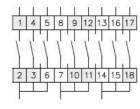
Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

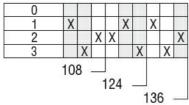
Dimensions



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