



# ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 1 POLE 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation	Product designation				Rotary cam
Switching diagram   108 - Multi-step   0-1-2-3 1 pole	_	Aio.a			
Switching diagram   108 - Multi-step					7GN12
Mounting form   Section   Section					•
Mounting form   Mounting with balack handle   Mounting with balack handle   Mounting with balack handle   Mounting with balack handle   Mounting with stand voltage Uimp   Mounting with stand voltage   Mounting with stand voltage w	N° of elements				
Rated insulation voltage Ui	Mounting form				mounting with
IEC/EN   V   690	Contact characteristic	CS			
Name	Rated insulation volta	age Ui			
Rated impulse withstand voltage Uimp					
Conventional free air thermal current lth			UL/CSA		
IEC/EN   A   16   UL/CSA   A   15   Rated operational voltage   V   480   Rated operational impulse voltage   V   480   Rated operational impulse voltage   V   4				kV	6
Rated operational voltage	Conventional free air	thermal current Ith	150/51		
Rated operational voltage   V					
Rated operational impulse voltage   kV 4	Dated energtional val	ltaga	UL/CSA		
Maximum fuse size for short-circuit protection In (gG)    10kA					
10kA				KV	4
15kA	Maximum ruse size it	or short-circuit protection in (gG)	1064	۸	16
Rated short time current Icw   1s					
Rated short time current lcw					
1s kA   200	Rated short time curr	rent Icw			
Conductivity			1s	kA	200
AC1/AC21A	Conductivity				10/5 mA/V
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 1.5 380/440V kW 2.2  Three-phase AC23A		e IEC/EN			
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	•	AC1/AC21A			
110V				Α	16
220/230V		AC15			
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					
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					
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	<del>D</del> ( ) ( )	·	660/690V	A	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	Rated operational po				
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		Three-phase AC-3	220/2201/	I2\A/	2.5
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					
Single-phase AC-3  110V kW 0.8  220/230V kW 1.5  380/440V kW 2.2  Three-phase AC23A					
110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A		Single-phase AC-3	000,0001		
220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A		3 - 1	110V	kW	0.8
Three-phase AC23A					
·			380/440V	kW	2.2
220/230V kW 3		Three-phase AC23A			
			220/230V	kW	3
380/440V kW 5.5					
500/690V kW 7.5			500/690V	kW	7.5
Single-phase AC23A		Single-phase AC23A			
110V kW 0.8					
220/230V kW 1.7 380/440V kW 3					
Rated operational current in DC	Rated operational cur	rrent in DC	300/4407	IV V V	<u> </u>





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	DC24A			
	DC21A	48V	Α	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V		0.23
	DOZOA (poics in series)	24V	Α	10 (1)
		48V	A	10 (1)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	Α	5 (4)
	DC13	<del>-</del>		- ( )
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	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			cycles	3x10 <sup>6</sup>
UL technical data				
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
	·	240V	HP	3
	for single-phase motor			0.5
		120V	HP	0.5
Analis and an order		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature		۰.	0E
		min	°C	-25
	Storage temperature	max	°C	+55
	Storage temperature	min	°C	-40
		min	°C	-40 +70
Resistance & Protection	an	max	U	T/U
resistance a ribiection	<u> </u>			

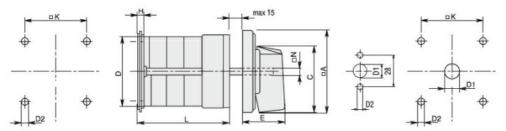


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ENERGY AND AUTOMATION MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

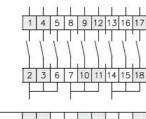
Frontal IP degree IP40
Terminals IP degree IP00

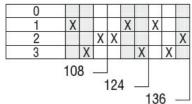
#### Dimensions



Corios	Dimensions							L Number of elements												
Series	□A	С	ØD	ØD2	Е	Ξ	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

### 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