



Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			91 - ON/OFF
N° of elements			switch 2 poles
iv or elements			O - Rear
Mounting form			mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEO/EN	Λ	4.0
	IEC/EN	A	16
Dated an austica also litera	UL/CSA	A V	15
Rated operational voltage			480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	Α	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw	Zolot		10
Tatos diore and danone ion	1s	Α	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		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
0'11	500/690V	kW	5.5
Single-phase AC-3	44017	[2] [4]	0.0
	110V 220/230V	kW	0.8
	220/230V 380/440V	kW kW	1.5 2.2
Three-phase AC23A	300/4407	r. v v	۷.۷
Tillee-pilase AC23A	220/230V	kW	3



# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
	3 1	110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational curr	ent in DC	000/1101		
rtatea operational our	DC21A			
	DOZIA	48V	Α	12
		60V	A	12
		110V		
			A	4
		220V	A	0.6
		440V	Α	0.25
	DC23A (poles in series)	2.11	ā	10 (1)
		24V	Α	10 (1)
		48V	Α	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	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	arminals may		Nm	0.5
				0.0
	enninais max			
Conductor size				
	AWG - Rigid cable	min		20
		min	AWG	20
	AWG - Rigid cable	min Max		20 12
		Max	AWG AWG	12
	AWG - Rigid cable	Max min	AWG AWG	20
	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	12
	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	20 14
	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	12 20 14 0.5
	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	20 14
	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	12 20 14 0.5 2.5
	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	12 20 14 0.5 2.5
Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	12 20 14 0.5 2.5 0.5 2.5
Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	12 20 14 0.5 2.5
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	12 20 14 0.5 2.5 0.5 2.5
Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	12 20 14 0.5 2.5 0.5 2.5
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	12 20 14 0.5 2.5 0.5 2.5
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Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	12 20 14 0.5 2.5 0.5 2.5 3x10 <sup>6</sup>
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	12 20 14 0.5 2.5 0.5 2.5 3x10 <sup>6</sup>
Mechanical life UL technical data Motor power for direct	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V	AWG AWG AWG Mm² mm² mm² cycles	12 20 14 0.5 2.5 0.5 2.5 3x10 <sup>6</sup> 1.5 3
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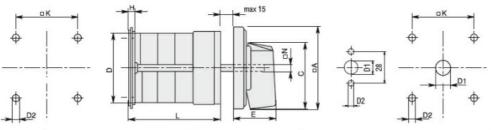
# electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

## Operating temperature

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

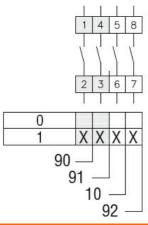
	max	_	
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

#### **Dimensions**



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	Е	Н	□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



## 7GN12910

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, FOR REAR MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete