

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM



Product designation			Rotary cam switches
Product type designation			7GN125
General characteristics			
Switching diagram			10 - ON/OFF switch 3 poles
N° of elements			2
Mounting form			O - Rear 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	405
	IEC/EN UL/CSA	A	125 130
Rated operational voltage	UL/CSA	A V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)		ΚV	0
Maximam ruse size for short should protestion in (90)	10kA	Α	125
	15kA	A	100
	25kA	Α	100
	50kA	Α	100
	63kA	Α	100
Rated short time current lcw			
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	125
AC15		_	4.0
	110V	A	40
	220/230V	A	28
	380/400V 660/690V	Α Δ	15 5
Rated operational power in AC	000/0301	Α	J
Three-phase AC-3			
Tilloo pilase Ao-s	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3	-		
- ·	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15





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	Three-phase AC23A			
	·	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	Single-phase AC23A			
	Single phase //826//	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curi	rent in DC	300/440 V	IXVV	10
rtated operational curi	DC21A			
	DOZIA	48V	Α	125
		60V	A	80
		110V	A	10
		220V	Α	1.2
	DC23A (poles in series)		_	
		24V	Α	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	Α	50 (3)
		220V	Α	20 (4)
	DC13			
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	Α	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
	erminals max		Nm	
Tightening torque for t	erminals max		Nm	M2X5 2
			Nm	
Tightening torque for t	erminals max  AWG - Rigid cable	min		2
Tightening torque for t		min Max	AWG	14
Tightening torque for t	AWG - Rigid cable	min Max		2
Tightening torque for t		Max	AWG AWG	14 1/0
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	14 1/0
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	14 1/0
Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 1/0 14 1/0 2.5
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0 2.5 50
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	2 14 1/0 14 1/0 2.5 50 2.5
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	2 14 1/0 14 1/0 2.5 50
Tightening torque for to 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	2 14 1/0 14 1/0 2.5 50 2.5
Tightening torque for to 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	2 14 1/0 14 1/0 2.5 50
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Tightening torque for to 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 Max	AWG AWG AWG Mm² mm² cycles	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup>
Tightening torque for to 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 Max	AWG AWG AWG AWG mm² mm²	2 14 1/0 14 1/0 2.5 50
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Tightening torque for to 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 Max  120V 240V	AWG AWG AWG Mm² mm² mm² cycles	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup>
Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25 50
Tightening torque for to 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 Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25 50 40
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#### Temperature

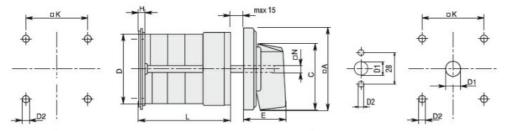
#### Operating temperature

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

### Resistance & Protection

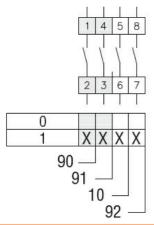
Frontal IP degree	IP40
Terminals IP degree	IP00

#### **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

7GN12510O

EAC



### 7GN12510O

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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete