

## ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM



Product designation			Rotary cam switches
Product type designation			7GN125
General characteristics			
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	02/00/(	kV	6
Conventional free air thermal current Ith			-
	IEC/EN UL/CSA	A A	125 130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	125
	15kA	Α	100
	25kA	Α	100
	50kA	Α	100
Date dish and time a comment law.	63kA	Α	100
Rated short time current Icw	10	۸	2100
Conductivity	1s	Α	10/5 mA/V
Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A		٨	405
AC15		Α	125
ACIS	110V	Α	40
	220/230V	A	28
	380/400V	A	15
	660/690V	Α	5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3			
	110V	kW	5
	220/230V	kW	11





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		380/440V	kW	15
	Three-phase AC23A			
	·	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	0'll	300/090 V	N V V	31
	Single-phase AC23A			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curre	ent in DC			
rate of orange and carry	DC21A			
	DOZIA	48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)			
	VI/	24V	Α	125 (1)
		48V	A	125 (1)
		60V	Α	125 (3)
		110V	Α	50 (3)
		220V	Α	20 (4)
	DC13			_
		24V	Α	125
		48V	Α	100
		60V	A	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
	erminals max		Nm	
Tightening torque for te	erminals max		Nm	M2X5 2
			Nm	
Tightening torque for te	erminals max  AWG - Rigid cable			2
Tightening torque for te		min	AWG	14
Tightening torque for te	AWG - Rigid cable	min Max		2
Tightening torque for te			AWG	14
Tightening torque for te	AWG - Rigid cable		AWG	14
Tightening torque for te	AWG - Rigid cable	Max min	AWG AWG	14 1/0
Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	14 1/0
Tightening torque for te	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0
Tightening torque for te	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 te	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 te	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	14 1/0 14 1/0 2.5 50
Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 1/0 14 1/0 2.5
Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	14 1/0 14 1/0 2.5 50
Tightening torque for to Conductor size	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	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	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 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 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  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  on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG 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  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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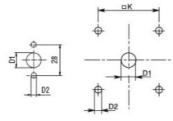
**ENERGY AND AUTOMATION** 

**Dimensions** 

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#### Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree **IP40** Terminals IP degree IP00

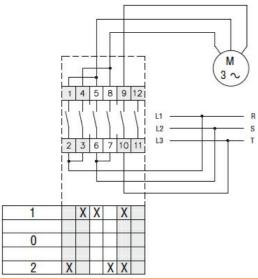
# 9 0 E



Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions									L Number of elements											
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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



#### 7GN12511U

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	IEC/EN/BS 60947-5-1
	UL60947-4-1
Certificates	
	EAC
	UL
ETIM classification	

EC001105 - Off-ETIM 8.0 load switch