# ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Draduat designation			Rotary cam
Product designation			switches
Product type designation			7GN25
General characteristics			
			26 - 3-phase
Switching diagram			motor reversing
			switch with spring return
N° of elements			3
14 Of Clements			U - Front
Mounting form			mounting with
9			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			
	IEC/EN	Α	25
	UL/CSA	Α	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current lcw			
-	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		_	
10.5		A	25
AC15	440)/		4.0
	110V	A	16
	220/230V	A	12
	380/400V 660/690V	A A	8 2
Rated operational power in AC	000/0907		
Three-phase AC-3			
Tillee-pilase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3	000,0001		
5g.s p.1.400 / 10 0	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5



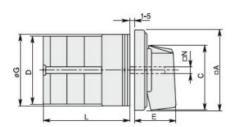
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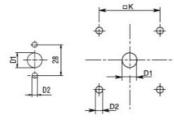
	Three-phase AC23A			
	•	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	000/0007	11.4.4	- ' '
	Single-phase A025A	110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cur				
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
	u	24V	Α	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V		
			A	12 (3)
		220V	Α	10 (4)
	DC13		_	
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Mechanical features Terminals screw				M3.5
Terminals screw	terminals max		Nm	M3.5
Terminals screw Tightening torque for	terminals max		Nm	M3.5 0.8
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max  AWG - Rigid cable	i		0.8
Terminals screw Tightening torque for		min	AWG	0.8
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for		Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable		AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8  20 10  20 12  0.5 4
Terminals screw Tightening torque for Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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 min	AWG AWG AWG AWG mm² mm²	0.8  20 10  20 12  0.5 4
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Terminals screw Tightening torque for 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 cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for 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	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
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Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	min Max min Max min Max min Max min Max Max	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	min Max min Max min Max min Max min Max Max	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup> 3 5 10 15
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	min Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>

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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 **Dimensions**

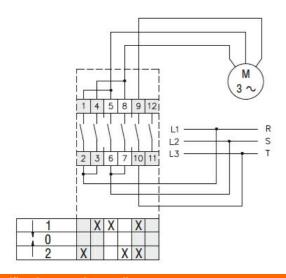




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

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

IEC/EN/BS 60947-5-1



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#### 7GN2526U

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificat	ion	
ETIM 8.0		EC001105 - Off-

load switch