



ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 63A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Draduat designation				Rotary cam
Product designation				switches
Product type designation				7GN63
General characteristics				11 - 3-phase
Switching diagram				motor reversing switch
N° of elements				3
Mounting form  Contact characteristics				U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Rated insulation voltag				
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstar	·		kV	6
Conventional free air th	ermai current itn	IEC/EN UL/CSA	A A	63 60
Rated operational volta	age		V	480
Rated operational impu	ulse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	63
		15kA	A	63
		25kA	A	63
		50kA 63kA	A A	63 63
Rated short time curre	nt Icw	OOKA		
		1s	kA	1600
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	63
	AC15	440)/		00
		110V	A	32
		220/230V 380/400V	A A	25 15
		660/690V	A	4
Rated operational pow	er in AC	000/030 V		
	Three-phase AC-3			
	·	220/230V	kW	11
		380/440V	kW	18.5
		500/690V	kW	18.5
	Single-phase AC-3			
		110V	kW	3.7
		220/230V	kW	6.5
	Three-phase AC23A	380/440V	kW	11.5
	Tillee-pilase AUZSA	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
			-	





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	Single-phase AC23A			
	emigio priaco / to zo/ t	110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curi	rent in DC			
	DC21A			
		48V	Α	63
		60V	Α	50
		110V	A	8
		220V	Α	1
	DC23A (poles in series)			
		24V	Α	50 (1)
		48V	Α	50 (2)
		60V	Α	50 (3)
		110V	Α	25 (3)
		220V	A	15 (4)
	DC42	2201	^	10 (7)
	DC13	2.01		00
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation		1.00	W	3.4
Mechanical features			V V	3.4
				N.45
Terminals screw				M5
Tightening torque for t	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	3		AWG	14
		mın		
		min May		
	AMO Florible coble	min Max	AWG	6
	AWG - Flexible cable	Max	AWG	6
	AWG - Flexible cable	Max min	AWG	14
	AWG - Flexible cable	Max	AWG	6
	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min	AWG	14
		Max min Max	AWG AWG AWG	6 14 8
		Max min Max min	AWG AWG AWG	6 14 8 2.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	6 14 8
		Max min Max min Max	AWG AWG AWG mm² mm²	6 14 8 2.5 10
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	6 14 8 2.5 10 2.5
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	6 14 8 2.5 10 2.5 16
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	6 14 8 2.5 10 2.5
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	6 14 8 2.5 10 2.5 16
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	6 14 8 2.5 10 2.5 16
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	6 14 8 2.5 10 2.5 16
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG  mm² mm²  mm² cycles	6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup>
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UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG  mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG  mm² mm² cycles  HP HP	14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25
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UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP	14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25 25
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UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP	14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25 25
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UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor  for single-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25 25
UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² mm² cycles  HP HP HP HP	14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25 25 25
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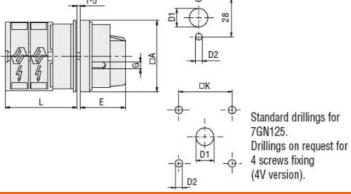


Resistance & Protection
Frontal IP degree
Terminals IP degree

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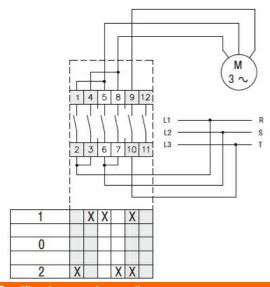
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

#### **Dimensions**



Series	Dimensions				L					
Series	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

### Wiring diagrams



UL

# Certifications and compliance

## Compliance

Certificates

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

CCSAus

EAC

# ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete