



ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 125A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 90X90MM

Product designation				Rotary cam
•				switches
Product type designation General characteristics				7GN125
Switching diagram				11 - 3-phase 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 voltage Ui				
	P	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage L Conventional free air thermal curre	-		kV	6
Conventional nee all thermal curre	ar iui	IEC/EN UL/CSA	A A	125 130
Rated operational voltage			V	690
Rated operational impulse voltage			kV	6
Maximum fuse size for short-circui	t protection In (gG)	10kA 15kA 25kA 50kA 63kA	A A A	125 100 100 100
Rated short time current lcw		OSKA	Α	100
		1s	Α	2100
Conductivity				10/5 mA/V
Operational current le IEC/EN AC1/AC2	1A			
AC15			A	125
7,010		110V 220/230V 380/400V 660/690V	A A A	40 28 15 5
Rated operational power in AC				
Three-pha	ase AC-3			
		220/230V 380/440V	kW kW	18.5 37
		500/690V	kW	33
Single-pha	ase AC-3	110V	kW	5
		220/230V 380/440V	kW kW	11 15
Three-pha	ase AC23A	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37





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	Single-phase AC23A			
	emigio priace / teles/ t	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curi	rent in DC			
	DC21A			
		48V	Α	125
		60V	Α	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	A	
	DC42	2201		20 (4)
	DC13	2.01		405
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	Α	4
Power dissipation			W	6.3
Mechanical features			VV	0.0
				MOVE
Terminals screw				M2X5
Tightening torque for t	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	3	i	AWG	14
		min		
		min May		
	AMO Florible colds	Max	AWG	1/0
	AWG - Flexible cable	Max	AWG	1/0
	AWG - Flexible cable	Max min	AWG	1/0
	AWG - Flexible cable	Max	AWG	1/0
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min	AWG	1/0
		Max min Max	AWG AWG AWG	1/0 14 1/0
		Max min Max min	AWG AWG AWG	1/0 14 1/0 2.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	1/0 14 1/0
		Max min Max min Max	AWG AWG AWG mm² mm²	1/0 14 1/0 2.5 50
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	1/0 14 1/0 2.5 50 2.5
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	1/0 14 1/0 2.5 50 2.5
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
	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	1/0 14 1/0 2.5 50 2.5 50
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² cycles	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
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 HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
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 HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data Motor power for direct Ambient conditions	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 HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40 5 15
UL technical data Motor power for direct Ambient conditions	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	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data Motor power for direct Ambient conditions	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 120V 240V	AWG AWG AWG mm² mm² cycles HP HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40 5 15



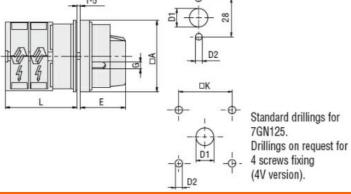


Resistance & Protection
Frontal IP degree
Terminals IP degree

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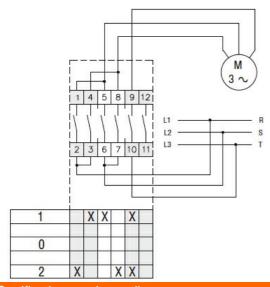
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

Dimensions



Carias	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



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

EAC UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete