



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

Product designation				Rotary cam switches
Product type designation	on			7GN125
General characteristics				7 511125
Switching diagram				53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements				3
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith	IEO/EN	^	405
		IEC/EN UL/CSA	A	125
Rated operational volta	200	UL/CSA	A V	130 690
Rated operational impu			kV	6
	short-circuit protection In (gG)		ΚV	
Maximum ruse size for	Short-circuit protection in (go)	10kA	Α	125
		15kA	A	100
		25kA	A	100
		50kA	Α	100
		63kA	Α	100
Rated short time curre	nt Icw			
		1s	kA	2100
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	125
	AC15			
		110V	Α	40
		220/230V	Α	28
		380/400V	A	15
Data dan anational nave	an in AO	660/690V	Α	5
Rated operational pow				
	Three-phase AC-3	220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3	000,000 (1000	
	- 3	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
				





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	Single-phase AC23A			
	omigro pridos riozori	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		10
			A	
		220V	Α	1.2
	DC23A (poles in series)			
		24V	Α	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	A	50 (3)
	D010	220V	Α	20 (4)
	DC13			
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	Α	4
Dower dissinction		1101	W	6.3
Power dissipation			VV	0.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for t	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	· · · · · · · · · · · · · · · · · · ·	min	AWG	14
		min Max		
	AMO EL III	Max	AWG	1/0
	AWG - Flexible cable	Max	AWG	1/0
	AWG - Flexible cable			
	AWG - Flexible cable	Max	AWG	1/0
		Max min	AWG	1/0
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	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 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 15 25 50
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 for three-phase motor	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 15 25 50
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 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 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
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
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

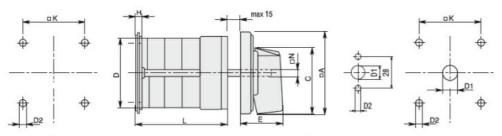


Resistance & Protection
Frontal IP degree
Terminals IP degree

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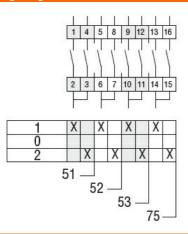
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

Dimensions



Series Dimensions							L Number of elements													
Series	□A	С	ØD	ØD2	Е	Ξ	□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

EAC

UL

ETIM classification



7GN12553O

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ETIM 8.0

EC001029 -Selector switch, complete