

7GN6375U ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



			Rotary cam
Product designation			switches
Product type designation			7GN63
General characteristics			
Switching diagram			75 - Changeover switch 4 poles
N° of elements			4
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Rated impulse withstand voltage Uimp	UL/CSA	V kV	600 6
Conventional free air thermal current Ith		ΚV	0
	IEC/EN	А	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
Rated short time current Icw	63kA	A	63
Rated short time current icw	1s	А	1600
Conductivity	10		10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	63
AC15			
	110V	А	32
	220/230V	А	25
	380/400V	A	15
Dated energtional neuron in AC	660/690V	A	4
Rated operational power in AC Three-phase AC-3			
Thee-phase AC-5	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
	380/440V	kW	11.5

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	Three-phase AC23A	/ /		
		220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational of	current in DC	000, 1101		
	DC21A			
	DOZIN	48V	А	63
		48V 60V		
			A	50
		110V	A	8
		220V	A	1
	DC23A (poles in series)			
		24V	А	50 (1)
		48V	А	50 (2)
		60V	А	50 (3)
		110V	A	25 (3)
		220V	A	15 (4)
	DC13	2201		
	DC13	241/	۸	60
		24V	A	63
		48V	Α	40
		60V	А	28
		110V	A	3.3
Power dissipation			W	3.4
Mechanical feature	S			
Terminals screw				M5
Tightening torque f	or terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	3 • • • • • • • • • •	min	AWG	14
		Max	AWG	6
	AVA/G Elovible cable	Max	////0	0
	AWG - Flexible cable		A.VA/O	4.4
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		min Max	mm² mm²	2.5 10
	Conductor size (IEC) - Rigid cable			
		Max	mm²	10 2.5
Mechanical life		Max min	mm² mm² mm²	10 2.5 16
		Max min	mm²	10 2.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min	mm² mm² mm²	10 2.5 16
	Conductor size (IEC) - Rigid cable	Max min	mm² mm² mm²	10 2.5 16
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max	mm ² mm ² mm ² cycles	10 2.5 16 5x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V	mm ² mm ² mm ² cycles	10 2.5 16 5x10 ⁶ 7.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V	mm ² mm ² cycles HP HP	10 2.5 16 5x10 ⁶ 7.5 15
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	10 2.5 16 5x10 ⁶ 7.5 15 25
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V	mm ² mm ² cycles HP HP	10 2.5 16 5x10 ⁶ 7.5 15
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	10 2.5 16 5x10 ⁶ 7.5 15 25
UL technical data	Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor	Max min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	10 2.5 16 5x10 ⁶ 7.5 15 25

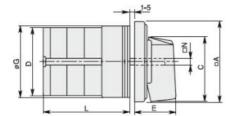
Ambient conditions

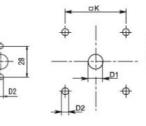


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Temperature

Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				

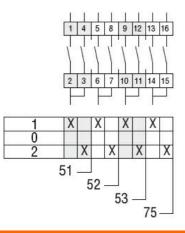




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Carias	Dimensions								L Number of elements												
Series	ΠA	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

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	
	cCSAus
	EAC

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ETIM classification

ETIM 8.0

EC001105 - Offload switch