

7GN6386U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 2 POLES 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Induct designation witches Product type designation 7GN63 Switching diagram 2-3 2 poles N° of elements 3 Mounting form U - Front mounting with black handle Contract characteristics UUCSA Rated inpulse withstand voltage Uimp KV EC/EN V 690 UL/CSA V 600 Rated inpulse withstand voltage Uimp KV 6 Conventional free air thermal current th IEC/EN A 63 Rated operational voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 63 Act1AC21A A 63 63 64 Conductivity 10/5 mA/V 10/5 mA/V 660/690/V 4 Rated operational own in AC A 63 63 66/690/V 4 Conductivity 10/5 mA/V 220/230/V A 15 660/690/V 4 Rated operational owner in AC Three-phase AC-3 220/230/V <	Product designation			^a Rotary cam
General characteristics 86 - Multi-step 1- 2-3 2 poles N° of elements 3 Mounting form U - Front mounting with black handle Contract characteristics 1 Rated insulation voltage Ui IEC/EN V 690 Quites withstand voltage Uimp KV 6 6 Conventional free air thermal current Ith IEC/EN A 63 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection in (gG) 10kA A 63 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection in (gG) 10kA A 63 Conductivity 10x5 mAV 005 mAV 005 mAV Operational current Icw 1s A 1600 Conductivity 10x5 mAV 32 220/230V A 25 3804400V A 15 660/690V A 4 Rated operational power in AC 110V A 32 220/230V KW				
Switching diagram 96 - Multi-step 1- 2-3 2 poles N° of elements 3 Mounting form mounting with black handle Contract characteristics mounting with black handle Rated insulation voltage Ui IEC/EN V Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 63 Rated operational voltage V 480 440 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 63 Conductivity 10kA A 63 50kA A Conductivity 10kA A 63 63 63 Rated operational current Icw 1s A 1600 63kA A 63 Conductivity 10/5 mA/V 0perational current Icw 10/5 mA/V 0perational current Icw 32 220/230V A 15 Act15 110V A 32 220/230V A 15				7GN63
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Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Rated inpulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 63 Rated operational voltage V 480 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 63 25kA A 63 50kA A 63 25kA A 63 50kA A 63 Conductivity 1s A 1000 63 Conductivity 1s A 1000 63 Conductivity 1s A 15 A AC15 110V A 22 220/230V A 25 380/400V A 15 660/690V A 4 Rated operational power in AC 11 380/440V KW 18.5 Single-phase AC-3 10V KW 18.5<	Mounting form			
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Rated operational power in AC 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 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 Single-phase AC23A 220/230V kW 30 500/690V kW 30 Single-phase AC23A 110V kW 3.7 3.7		380/400V	А	15
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 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V xW 30 Single-phase AC23A 110V kW 3.7		660/690V	Α	4
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380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30 Single-phase AC23A 110V kW 3.7				
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380/440V kW 30 500/690V kW 30 Single-phase AC23A 110V kW 3.7		220/230V	kW	12.5
500/690V kW 30 Single-phase AC23A 110V kW 3.7				
110V kW 3.7				
	Single-phase AC23A			
220/230V kW 7.5				
		220/230V	kW	7.5

7GN6386U



7GN6386U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 2 POLES 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

		380/440V	kW	12.5
Rated operational cu	irrent in DC			
	DC21A			
		48V	Α	63
		60V	A	50
		110V	A	8
		220V	A	1
	DC23A (poles in series)	24V	۸	50 (1)
		24 V 48 V	A A	50 (1) 50 (2)
		40V 60V	A	50 (2) 50 (3)
		110V	A	25 (3)
		220V	A	15 (4)
	DC13			
		24V	А	63
		48V	А	40
		60V	А	28
		110V	А	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable		2	
		min	mm²	2.5
	Operation size (IEO) Divid askla	Max	mm²	10
	Conductor size (IEC) - Rigid cable	min	mm2	0 F
		min Max	mm² mm²	2.5 16
Mechanical life		IVIdX	cycles	5x10 ⁶
UL technical data			cycles	5210
Motor power for dire	ct-on-line control			
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			
		120V	HP	3
		240V	HP	10
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

7GN6386U

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



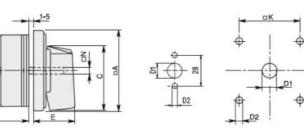
7GN6386U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 2 POLES 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Resistance & Protection

Frontal IP degree

Terminals IP degree

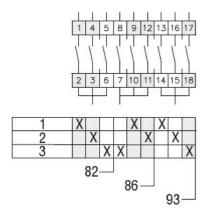
Dimensions



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	ΠN	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	
	UL	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete

IP40

IP00