

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

Product designation			Rotary cam
Product type designation			switches 7GN63
General characteristics			
Switching diagram			86 - Multi-step 1- 2-3 2 poles
N° of elements			3
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		٨	<u></u>
	IEC/EN UL/CSA	A A	63 60
Rated operational voltage	00/03A	 V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			•
	10kA	А	63
	15kA	А	63
	25kA	А	63
	50kA	А	63
	63kA	A	63
Rated short time current Icw			4000
Conductivity	1s	kA	1600 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 MA/ V
AC1/AC21A		•	00
AC15		A	63
ACIS	110V	А	32
	220/230V	A	25
	380/400V	A	15
	660/690V	А	4
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	11
	380/440V	kW	18.5
Ciasla abase AO O	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
	220/230V	кvv kW	3.7 6.5
	380/440V	kW	11.5
Three-phase AC23A	000,1101		
······	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single phase AC22A			
Single-phase AC23A			
Single-phase AC23A	110V 220/230V	kW kW	3.7 7.5

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		380/440V	kW	12.5
Rated operational cu				
	DC21A	101/		
		48V 60V	A	63 50
		60V 110V	A A	50 8
		220V	A	1
	DC23A (poles in series)	2201	Α	I
		24V	А	50 (1)
		48V	A	50 (2)
		60V	А	50 (3)
		110V	А	25 (3)
		220V	А	15 (4)
	DC13			
		24V	А	63
		48V	Α	40
		60V	А	28
		110V	Α	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
	AWG - Flexible cable	Max	AWG	6
	AWG - Flexible cable	min	AWG	11
		min Max	AWG	14 8
	Conductor size (IEC) - Flexible cable	IVIAA	ANG	0
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable	max		10
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			ý	
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
Ampliant and litic		240V	HP	10
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-25
		max	°C	-25 +55
	Storage temperature	IIIdX	0	100
	olorage lemperature	min	°C	-40
		max	°C	+70
		max		

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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



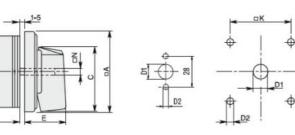
### **7GN6386U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 2 POLES 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Resistance & Protection

# Frontal IP degree

Terminals IP degree

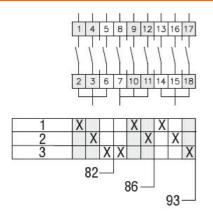
Dimensions



Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version). IP40 IP00

Series	Dimensions						L Number of elements														
Series	□A	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

•••••		
	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