

## **7GN125930** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 3 POLES 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

				Rotary cam
Product designation				switches
Product type designation				7GN125
General characteristics				
Switching diagram				93 - Multi-step 1- 2-3 3 poles
N° of elements				5
Mounting form				O - Rear mounting with
				black handle
Contact characteristics				
Rated insulation voltage L	Ji		Ň	600
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstand	voltage Llimp	UL/CSA	kV	6
Conventional free air therr			ΚV	0
		IEC/EN	А	125
		UL/CSA	A	130
Rated operational voltage		01,00,1	V	690
Rated operational impulse			kV	6
	ort-circuit protection In (gG)			
		10kA	А	125
		15kA	А	100
		25kA	А	100
		50kA	А	100
		63kA	A	100
Rated short time current I	cw			
		1s	kA	2100
Conductivity				10/5 mA/V
Operational current le IEC				
A	C1/AC21A		۸	405
Δ	C15		A	125
A		110V	А	40
		220/230V	A	28
		380/400V	A	15
		660/690V	A	5
Rated operational power i	n AC			
Т	hree-phase AC-3			
		220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
S	ingle-phase AC-3			
		110V	kW	5
		220/230V	kW	11
=		380/440V	kW	15
I	hree-phase AC23A	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	45 37
2	ingle-phase AC23A	500/030V	i V V	01
0		110V	kW	5
		220/230V	kW	11

7GN12593O



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		380/440V	kW	15
Rated operational cu				
	DC21A			
		48V	Α	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)	0.01/		
		24V	A	125 (1)
		48V	A	125 (2)
		60V 110V	A	125 (3)
		220V	A A	50 (3) 20 (4)
	DC12	2200	A	20 (4)
	DC13	241/	۸	105
		24V 48V	A A	125 100
		40V 60V		
		60V 110V	A A	50 4
Power dissipation		1100	A W	4 6.3
Mechanical features			٧V	0.3
Terminals screw				M2X5
Tightening torque for	terminals may		Nm	2
Conductor size			INIII	2
Conductor Size	AWG - Rigid cable			
	AVVG - Rigid Cable	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	IVIAX	AWG	1/0
	AWG - Flexible cable	min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	IVIDA	700	170
		min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable	Max		00
		min	mm²	2.5
		Max	mm²	50
Mechanical life		IVICA	cycles	1X10 <sup>6</sup>
UL technical data			Cycles	IXIO
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	15
		240V	HP	25
		480V	HP	50
		400V 600V	HP	40
	for single-phase motor			· <del>-</del>
		120V	HP	5
		240V	HP	15
Ambient conditions				-
Temperature				
	Operating temperature			
		min	°C	-25
		max	°Č	+55
	Storage temperature		-	
		min	°C	-40
		max	°Č	+70

7GN12593O

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



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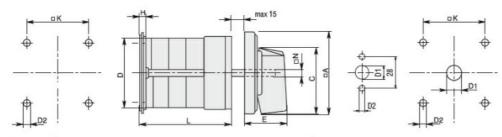
IP40 IP00

Resistance & Protection

# Frontal IP degree

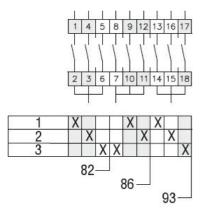
Terminals IP degree

Dimensions



Carias				Dimer	nsions				L Number of elements							1				
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	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		
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

7GN12593O