

## **7GN4083U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam
-			switches
Product type designation General characteristics			7GN40
			83 - Multi-step 1-
Switching diagram			2-3-4 1 pole
N° of elements			2
Mounting form			U - Front
Mounting form			mounting with black handle
Contact characteristics			black handlo
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		•	40
	IEC/EN UL/CSA	A	40 50
Rated operational voltage	0L/C3A	A V	480
Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ιτν	<u> </u>
	10kA	А	40
	15kA	A	40
	25kA	А	40
	50kA	А	40
	63kA	Α	40
Rated short time current Icw			
	1s	kA	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		А	40
AC15		~	40
	110V	А	25
	220/230V	А	22
	380/400V	А	12
	660/690V	А	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V 500/690V	kW kW	15 15
Single-phase AC-3	200/0907	ĸvv	10
Single-phase AC-5	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
Three-phase AC23A			
	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
Single-phase AC23A			0
	110V	kW	3
	220/230V	kW	6

ENERGY AND AUTOMATION

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		380/440V	kW	11
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
	2010	220V	A	12 (4)
	DC13	<b>2</b> (1) (		40
		24V	A	40
		48V	A	32
		60V	A	16
Dowor dissinction		110V	A W	3 2.0
Power dissipation Mechanical features			vv	2.0
Terminals screw				M4
	torminals may		Nm	1.2
Tightening torque for Conductor size			INITI	1.2
Conductor size	AWC Bigid apple			
	AWG - Rigid cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	IVIdX	AWG	0
	AWG - I lexible cable	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	Max	////0	10
		min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable	11100		0
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direc	ct-on-line control			
-	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			
		120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

7GN4083U

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



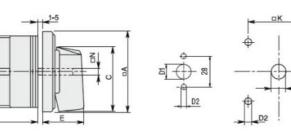
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Resistance & Protection

Frontal IP degree

Dimensions



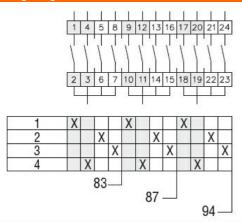
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

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

7GN4083U

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

Terminals IP degree