

## **7GN40830** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation				<sup>D</sup>
-				switches
Product type designati General characteristics				7GN40
Switching diagram				83 - Multi-step 1- 2-3-4 1 pole
N° of elements				2-3-4 1 pole
				O - Rear
Mounting form				mounting with black handle
Contact characteristics	3			
Rated insulation voltag	le Ui			
		IEC/EN	V	690
Rated impulse withsta	ad voltogo Llimo	UL/CSA	V kV	600 6
Conventional free air th			KV	0
		IEC/EN	А	40
		UL/CSA	A	50
Rated operational volta	age		V	480
Rated operational imp			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	А	40
		15kA	А	40
		25kA	А	40
		50kA	A	40
Detailed at the second		63kA	A	40
Rated short time curre	nticw	1s	А	1000
Conductivity		15	A	10/5 mA/V
Operational current le	IEC/EN			10/5 11/4/ 0
oporational outront to	AC1/AC21A			
			А	40
	AC15			
		110V	А	25
		220/230V	А	22
		380/400V	А	12
		660/690V	A	2
Rated operational pow				
	Three-phase AC-3	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	15
	Single-phase AC-3			
		110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	18.5
	Single phase ACO2A	500/690V	kW	22
	Single-phase AC23A	110V	kW	3
		220/230V	kW	6
		220/200 V		

7GN4083O



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		380/440V	kW	11
Rated operational cu	irrent in DC			
	DC21A			
		48V	Α	40
		60V	A	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)
	<b>D</b> 040	220V	A	12 (4)
	DC13	0.417		40
		24V	A	40
		48V	A	32
		60V	A	16
Dower dissinction		110V	A W	3 2.0
Power dissipation Mechanical features			VV	2.0
Terminals screw				M4
	torminale may		Nm	1.2
Tightening torque for Conductor size			INITI	1.2
Conductor size	ANAC Bigid apple			
	AWG - Rigid cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	IVIAX	AWG	0
	AWG - Flexible cable	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	IVIdX	AWG	10
	Conductor size (IEC) - I lexible cable	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable	IVIDA		0
		min	mm²	1.5
		Max	mm²	10
Mechanical life		IVICA	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	5,10
Motor power for dire	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			
	<b>č</b>	min	°C	-40
		max	°C	+70

7GN4083O

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

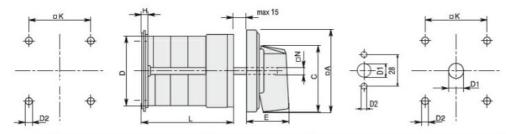
IP00

Resistance & Protection

## Frontal IP degree

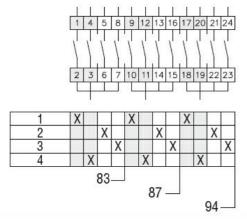
Terminals IP degree

Dimensions



Series	Dimensions							L Number of elements												
Series	□A	С	ØD	ØD2	E	Н	□K	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							
	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

#### 7GN4083O