



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

Product designation  Product type designati	on			Rotary cam switches 7GN40
General characteristics				7 31140
Switching diagram				87 - Multi-step 1- 2-3-4 2 poles
N° of elements				4
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
Beta Programme Mark	L. Branch Proc	UL/CSA	V	600
Rated impulse withstar Conventional free air th			kV	6
Conventional free air tr	nermal current ith	IEC/EN	Α	40
		UL/CSA	A	50
Rated operational volta	age	ODOOR	V	480
Rated operational impl			kV	4
	short-circuit protection In (gG)			
	,	10kA	Α	40
		15kA	Α	40
		25kA	Α	40
		50kA	Α	40
-		63kA	Α	40
Rated short time curre	nt Icw			
		1s	kA	1000
Conductivity	IFO/FN			10/5 mA/V
Operational current le				
	AC1/AC21A		۸	40
	AC15		Α	40
	ACTS	110V	Α	25
		220/230V	A	22
		380/400V	A	12
		660/690V	Α	2
Rated operational pow	er in AC			
	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	000/0001	1.147	0
		220/230V	kW	8
		380/440V	kW	18.5
	Single-phase AC23A	500/690V	kW	22
	Single-phase AC23A	110V	kW	3
		220/230V	kW	6
		220/200 V		





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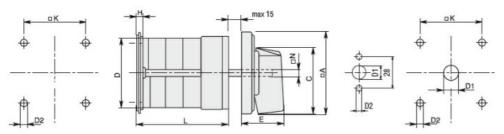
		380/440V	kW	11
Rated operational cur	rent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for t	terminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
	-	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
	3	min	mm²	1.5
		Max	mm²	10
Mechanical life		<del>-</del>	cycles	5x10 <sup>6</sup>
UL technical data			.,	
Motor power for direct	t-on-line control			
2.2 2	for three-phase motor			
	and proses mese.	120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor		• • • •	
	ioi singio phase motor	120V	HP	2
		240V	HP	5
Ambient conditions		270 V		
Temperature				
Tomporataro	Operating temperature			
	Operating temperature	min	°C	-25
		max	°C	-25 +55
	Storago tomporaturo	IIIdX	U	TJJ
	Storage temperature	min	°C	-40
		min	°C	
		max		+70

**ENERGY AND AUTOMATION** 

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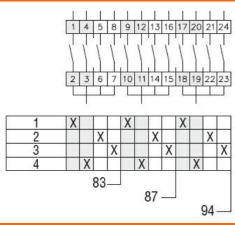
# Resistance & Protection Frontal IP degree Terminals IP degree IP00

#### **Dimensions**



Series	Dimensions							L Number of elements												
	□A	С	ØD	ØD2	Е	Ξ	□K	□N	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