

## **7GN401240** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 2 POLES 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam
Product type designation			switches 7GN40
General characteristics			
Switching diagram			124 - Multi-step 0-1-2-3 2 poles
N° of elements			3
Mounting form			O - Rear 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			
	IEC/EN	А	40
	UL/CSA	А	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	40
	15kA	A	40
	25kA	A	40
	50kA	A	40
Rated short time current Icw	63kA	A	40
Rated short time current icw	1s	kA	1000
Conductivity	13	N-1	10/5 mA/V
Operational current le IEC/EN			10/3 IIIA/ V
AC1/AC21A			
		А	40
AC15			
	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	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		1.1.4.7	0
	220/230V	kW	8
	380/440V 500/690V	kW kW	18.5 22
Single-phase AC23A	300/090V	ĸvv	<i>LL</i>
Single-phase A023A	110V	kW	3
	220/230V	kW	6
	220/230 V	17.4.4	U

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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>0</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	111000		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

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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



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IP40

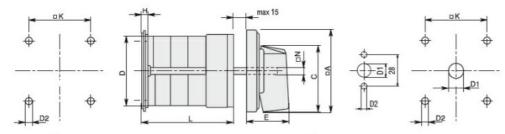
IP00

Resistance & Protection

## Frontal IP degree

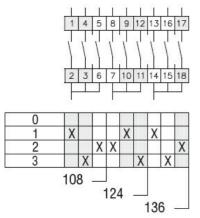
Terminals IP degree

Dimensions



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

· · · · · · · · · · · · · · · · · ·		
	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		
		EC001029 -
		O a la atan avritak

# ETIM 8.0

EC001029 -Selector switch, complete

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