ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Product designation			Rotary cam
•			switches
Product type designation			7GN40
General characteristics			00 01/055
Switching diagram			03 - ON/OFF
Switching diagram			spring return switch 3 poles
N° of elements			2
TV of old monto			O - Rear
Mounting form			mounting with
· ·			black handle
Contact characteristics			
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	Α	40
	UL/CSA	A	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	A	40
Detected at the control of the contr	63kA	Α	40
Rated short time current Icw	4.0	LεΛ	1000
Conductivity	1s	kA	1000 10/5 mA/V
Conductivity			10/5 MA/ V
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		۸	40
AC15		Α	40
ACIO	110V	Α	25
	220/230V	A	25 22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC	000/0001		
Three-phase AC-3			
Tilloo pilaoo no o	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3	230,000	·•	-
5 5 7 1000 100 0	110V	kW	3
	220/230V	kW	6.5



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		000/440	1.147	
		380/440V	kW	8
	Three-phase AC23A			_
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curre	ent in DC			
	DC21A			
	562171	48V	Α	40
		60V	A	40
		110V		
			A	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	A	32
		60V	A	16
		110V		
D P l C		1100	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for te	erminals 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	IVIUA	,,,,,	· •
	Conductor Size (ILO) - I lexible cable	min	mm²	1.5
		min Mov		
	One director also (IEO) Divisional I	Max	mm²	6
	Conductor size (IEC) - Rigid cable		_	4 =
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
	for three-phase motor	120V	HP	5
	for three-phase motor	120V 240V	HP HP	5 10
	for three-phase motor	240V	HP	10
	for three-phase motor	240V 480V	HP HP	10 20
		240V	HP	10
	for three-phase motor for single-phase motor	240V 480V 600V	HP HP HP	10 20 20
		240V 480V 600V	HP HP HP	10 20 20 20
		240V 480V 600V	HP HP HP	10 20 20

IP00

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Terminals IP degree

Dimensions

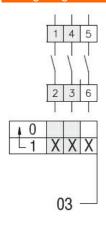
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Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree **IP40**

max 15 D2 D2 D2 D2 D2

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



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7GN4003O

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EAC			
UL			

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete