

## **7GN40530** ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation				Rotary cam		
Product type designation				switches 7GN40		
General characteristics						
Switching diagram				53 - Changeover switch 3 poles - 2 speed motor starting with separate windings		
N° of elements				3		
Mounting form				O - Rear mounting with black handle		
Contact characteristics						
Rated insulation voltage Ui		IEC/EN UL/CSA	V V	690 600		
Rated impulse withstand volta			kV	6		
Conventional free air thermal of	current Ith	IEC/EN UL/CSA	A A	40 50		
Rated operational voltage			V	480		
Rated operational impulse vol	tage		kV	4		
Maximum fuse size for short-o	sircuit protection In (gG)	10kA 15kA 25kA 50kA 63kA	A A A A	40 40 40 40 40		
Rated short time current Icw		1s	kA	1000		
Conductivity				10/5 mA/V		
Operational current le IEC/EN	AC21A					
			A	40		
AC15		110V 220/230V 380/400V 660/690V	A A A A	25 22 12 2		
Rated operational power in AC	2					
Three	-phase AC-3	220/230V 380/440V	kW kW	8 15		
Single	e-phase AC-3	500/690V	kW	15		
Single	5-pilase AU-U	110V 220/230V 380/440V	kW kW kW	3 6.5 8		
Three	-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	8 18.5 22		

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	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curre	ent in DC			
	DC21A			
		48V	А	40
		60V	А	40
		110V	А	6
		220V	А	0.9
	DC23A (poles in series)			
		24V	А	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	A	
	DC12	220 V	A	12 (4)
	DC13	0414	۸	40
		24V	A	40
		48V	A	32
		60V	A	16
		110V	А	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		////0	10
			mm <sup>2</sup>	1.5
		min	mm²	1.5
			mm² mm²	1.5 6
	Conductor size (IEC) - Rigid cable	min Max	mm²	6
		min Max min	mm²	6 1.5
		min Max	mm² mm² mm²	6 1.5 10
Mechanical life		min Max min	mm²	6 1.5
UL technical data	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm²	6 1.5 10
	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm²	6 1.5 10
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max	mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	6 1.5 10 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V	mm <sup>2</sup> mm <sup>2</sup> cycles	6 1.5 10 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V	mm <sup>2</sup> mm <sup>2</sup> cycles	6 1.5 10 5x10 <sup>6</sup> 5 10 20
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V 480V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20 20
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 240V 480V 600V 120V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20 20 2
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 240V 480V 600V 120V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20 20 2
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable   -on-line control for three-phase motor   for single-phase motor	min Max min Max 120V 240V 240V 480V 600V 120V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20 20 2
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20 20 2 5
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable   -on-line control for three-phase motor   for single-phase motor	min Max min Max 120V 240V 240V 480V 600V 120V	mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP	6 1.5 10 5x10 <sup>6</sup> 5 10 20 20 2

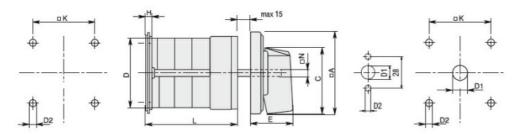
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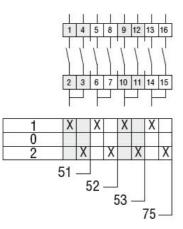
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Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				



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

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ETIM 8.0

EC001029 -Selector switch, complete