# ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Product designation			Rotary cam
Product type designation			switches 7GN40
General characteristics			7 31110
Switching diagram			52 - Changeover switch 2 poles
N° of elements			2
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Dated impulse withotond voltage Higgs	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		KV	6
Conventional free all thermal current full	IEC/EN	Α	40
	UL/CSA	A	50
Rated operational voltage	02,007.	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	Α	40
	63kA	Α	40
Rated short time current lcw			4000
	1s	kA	1000
Conductivity	60s	Α	1000 10/5 mA/V
Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A			
AO I/AO2 IA		Α	40
AC15			
	110V	Α	25
	220/230V	Α	22
	380/400V	Α	12
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	000/0051		
	220/230V	kW	8
	380/440V	kW	15 15
Single-phase AC-3	500/690V	kW	15
Single-phase AC-3	110V	kW	3
	220/230V	kW	6.5





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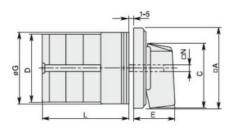
		380/440V	kW	8
	Three-phase AC23A			
	·	220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
	<b>5</b> 1	110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cur	rent in DC			
riator operational out	DC21A			
	562111	48V	Α	40
		60V	A	40
		110V	A	6
	DOOM (sales is saide)	220V	Α	0.9
	DC23A (poles in series)	0.41/		40 (4)
		24V	A	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
			V V	2.0
Mechanical features			VV	2.0
			VV	M4
Mechanical features Terminals screw	terminals max			M4
Mechanical features Terminals screw Tightening torque for	terminals max		Nm	
Mechanical features Terminals screw				M4
Mechanical features Terminals screw Tightening torque for	terminals max  AWG - Rigid cable	min	Nm	M4 1.2
Mechanical features Terminals screw Tightening torque for		min May	Nm AWG	M4 1.2
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	min Max	Nm	M4 1.2
Mechanical features Terminals screw Tightening torque for		Max	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	Nm  AWG AWG  AWG  AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	Nm  AWG AWG  AWG  AWG  AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	Nm  AWG AWG  AWG  AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	Nm  AWG AWG  AWG  AWG  AWG	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min	Nm  AWG AWG  AWG  AWG  AWG	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for to Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm  AWG AWG  AWG  AWG  mm² mm²	M4 1.2 16 8 16 10 1.5 6
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Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	M4 1.2 16 8 16 10 1.5 6
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Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm  AWG AWG  AWG  AWG  mm² mm²  cycles	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max  120V 240V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	M4 1.2  16 8  16 10  1.5 6  1.5 10  5x10 <sup>6</sup>
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Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	M4 1.2  16 8  16 10  1.5 6  1.5 10  5x10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max  min Max  120V 240V 480V 600V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles  HP  HP  HP  HP	M4 1.2  16 8  16 10  1.5 6  1.5 10 5x10 <sup>6</sup> 5 10 20 20
Mechanical features Terminals screw Tightening torque for the Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles  HP  HP	M4 1.2  16 8  16 10  1.5 6  1.5 10 5x10 <sup>6</sup>

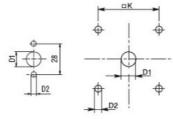


**ENERGY AND AUTOMATION** 

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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** Terminals IP degree IP00 **Dimensions**

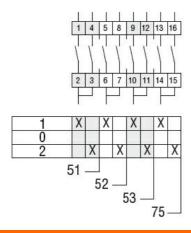




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Carina	Dimensions								L Number of elements												
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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



## 7GN4052U

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EAC		
UL		

ETIM classification

ETIM 8.0 EC001105 - Off-load switch