## ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 63A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Draduat designation			Rotary cam
Product designation			switches
Product type designation			7GN63
General characteristics			
			03 - ON/OFF
Switching diagram			spring return
N° of elements			switch 3 poles
N of elements			2 O - Rear
Mounting form			mounting with
Wounting form			black handle
Contact characteristics			Diagram and a
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current lth			
	IEC/EN	Α	63
	UL/CSA	Α	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	63
	15kA	Α	63
	25kA	Α	63
	50kA	Α	63
	63kA	Α	63
Rated short time current lcw			
	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	63
AC15			
	110V	Α	32
	220/230V	Α	25
	380/400V	Α	15
Detail an anti-mal manus in AO	660/690V	Α	4
Rated operational power in AC			
Three-phase AC-3	220/2201	12101	11
	220/230V 380/440V	kW	11 19.5
	380/440V 500/690V	kW kW	18.5 18.5
Single-phase AC-3	200/0907	KVV	10.0
Single-phase AC-3	110V	kW	3.7
	220/230V	kW	6.5
	ZZ0/Z30 V	IVV	J.J



## ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 63A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

		380/440V	kW	11.5
	Three-phase AC23A			
	•	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
	Single phase recent	110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational cur	ront in DC	360/440 V	K V V	12.5
Kaled operational cur				
	DC21A	40)/	Δ.	00
		48V	A	63
		60V	Α	50
		110V	Α	8
		220V	Α	1
	DC23A (poles in series)			
		24V	Α	50 (1)
		48V	Α	50 (2)
		60V	Α	50 (3)
		110V	Α	25 (3)
		220V	Α	15 (4)
	DC13			
	20.0	24V	Α	63
		48V	A	40
		60V	A	28
		110V	A	3.3
Dower dissinction		1100	W	3.4
Power dissipation			VV	3.4
Mechanical features				NAC .
Terminals screw				M5
Terminals screw Tightening torque for	terminals max		Nm	M5 2
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max  AWG - Rigid cable			
Terminals screw Tightening torque for		min	Nm AWG	
Terminals screw Tightening torque for		min Max		2
Terminals screw Tightening torque for			AWG	14
Terminals screw Tightening torque for	AWG - Rigid cable		AWG	14
Terminals screw Tightening torque for	AWG - Rigid cable	Max	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min	AWG AWG	14
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Terminals screw Tightening torque for Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Terminals screw Tightening torque for 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 min	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Terminals screw Tightening torque for Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Terminals screw Tightening torque for 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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup>
Terminals screw Tightening torque for 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	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup>
Terminals screw Tightening torque for 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	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15
Terminals screw Tightening torque for 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	min Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25
Terminals screw Tightening torque for 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	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15
Terminals screw Tightening torque for 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	min Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25
Terminals screw Tightening torque for 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	min Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25
Terminals screw Tightening torque for 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	min Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25 25

**Dimensions** 

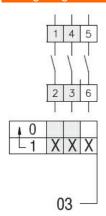
## ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 63A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

#### 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

# max 15 D2 D2 D2 D2

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



#### 7GN6303O

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 63A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

EAC			
UL			

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete