ENERGY AND AUTOMATION

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



Product designation			Rotary cam
			switches
Product type designation			7GN63
General characteristics			0.1/0.77
Cuitaking dia guara			03 - ON/OFF
Switching diagram			spring return switch 3 poles
N° of elements			2
N O CICITIONS			U - Front
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	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
B. () () () ()	660/690V	Α	4
Rated operational power in AC			
Three-phase AC-3	000/0001	1.3.67	44
	220/230V	kW	11
	380/440V	kW	18.5
Cingle phase AC 2	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
	220/230V	kW	3.7 6.5
	ZZU/ZJU V	IX V V	U.U



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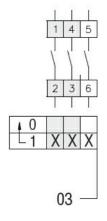
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		380/440V	kW	11.5
	Three-phase AC23A			
	·	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational cu	rrent in DC	000/1101	1000	12.0
rated operational ou	DC21A			
	D021/1	48V	Α	63
		60V	A	50
		110V	A	8
		220V	Α	1
	DC23A (poles in series)		_	- 2 (4)
		24V	Α	50 (1)
		48V	Α	50 (2)
		60V	Α	50 (3)
		110V	Α	25 (3)
		220V	Α	15 (4)
	DC13			
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation		1101	W	3.4
Mechanical features			•••	0.11
Mooria noar roataroo				
				M5
Terminals screw	terminals may		Nm	M5
Terminals screw Tightening torque for	terminals max		Nm	M5 2
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable			2
Terminals screw Tightening torque for		min	AWG	14
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		2
Terminals screw Tightening torque for		Max	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max	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 min	AWG 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 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	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 Mm² mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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 ⁶
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 120V 240V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶ 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	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 ⁶ 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 ct-on-line control for three-phase motor	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 ⁶ 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	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 ⁶ 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 ct-on-line control for three-phase motor	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 ⁶ 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 ct-on-line control for three-phase motor	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 ⁶ 7.5 15 25 25

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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				
Wiring diagrams				



Certifications and com	pliance
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

ETIM 8.0

EC001029 -Selector switch, complete