ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN20
General characteristics			03 - ON/OFF
Switching diagram			spring return switch 3 poles
N° of elements			2
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Detect improbe withstead valters I limp	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional nee all thermal current fill	IEC/EN	Α	20
	UL/CSA	A	20
Rated operational voltage	02,007.	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current Icw	1s	А	250
Conductivity	10		10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	A	6
Detail an arctional neuron in AC	660/690V	Α	1.5
Rated operational power in AC Three-phase AC-3			
Tillee-pliase AC-3	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3	<u>-</u>		
•	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			



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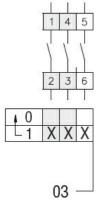
		220/230V	kW	5
		380/440V		
			kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
	- 3 - 1	110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cu	rrent in DC			
Transa oporanoria. oa	DC21A			
	DOZTA	4014		•
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	,	24V	Α	20 (1)
		48V	A	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13	225 V		÷ (· /
	טטוט		_	
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	A	1
		220V	Α	0.4
				0.45
		440V	Α	0.15
Power dissipation		440V		
Power dissipation Mechanical features		440V	W	0.15
Mechanical features		440V		0.8
Mechanical features Terminals screw		440V	W	0.8 M3
Mechanical features Terminals screw Tightening torque for	terminals max	440V		0.8
Mechanical features Terminals screw	terminals max	440V	W	0.8 M3
Mechanical features Terminals screw Tightening torque for		440V	W	0.8 M3
Mechanical features Terminals screw Tightening torque for	terminals max AWG - Rigid cable		W Nm	0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for		min	W Nm AWG	0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable		W Nm	0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for		min	W Nm AWG	0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	min Max	Nm AWG AWG	0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	min Max min	Nm AWG AWG	0.8 M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	min Max	Nm AWG AWG	0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	min Max min	Nm AWG AWG	0.8 M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	min Max min	Nm AWG AWG	0.8 M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	min Max min Max min	Nm AWG AWG AWG AWG	0.8 M3 0.5 20 12 20 14 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max	Nm AWG AWG AWG AWG	0.8 M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	min Max min Max min Max	Nm AWG AWG AWG AWG AWG	0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min	Nm AWG AWG AWG AWG	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min Max	Nm AWG AWG AWG AWG AWG	0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm²	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features Terminals screw Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm²	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm²	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm²	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm²	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm²	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features 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	min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles HP HP	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Mechanical features 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	min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles HP HP	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Mechanical features 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	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles HP HP	0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5



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	240V	HP	2
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			
Wiring diagrams			



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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