

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
Product type designation			switches 7GN20
General characteristics			7 GIN20
Switching diagram			91 - ON/OFF
			switch 2 poles
N° of elements			1
Mounting form			U - Front mounting with
Wounting form			black handle
Contact characteristics			Diddit Hariaid
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	20
	UL/CSA	Α	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4		0.0
	10kA	A	20
	15kA 25kA	A	16
Rated short time current Icw	ZOKA	Α	16
Nated Short time current icw	1s	Α	250
Conductivity	15		10/5 mA/V
Operational current le IEC/EN			10/3 111/-0 0
AC1/AC21A			
, , , , , , , , , , , , , , , , , , ,		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			_
	220/230V	kW	3
	380/440V	kW	5.5
Cinale at a second	500/690V	kW	5.5
Single-phase AC-3	110\/	1 2107	0.0
	110V 220/230V	kW kW	0.8 2.2
	380/440V	kW	3
Three-phase AC23A	300/7701	17.4.4	<u> </u>
	220/230V	kW	5





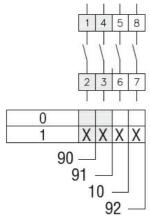
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		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			_
·	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	2020/ (poloo iii conce)	24V	Α	20 (1)
		48V	A	20 (1)
		60V	A	20 (2)
		110V	A	
		220V		10 (3)
	D040	2200	Α	8 (4)
	DC13	0.417		00
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
			۷V	0.0
Mechanical features			VV	
			VV	M3
Mechanical features	erminals max		Nm	
Mechanical features Terminals screw	erminals max			M3
Mechanical features Terminals screw Tightening torque for te				M3
Mechanical features Terminals screw Tightening torque for te	erminals max AWG - Rigid cable	min	Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for te		min Max	Nm AWG	M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	min Max	Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for te		Max	Nm AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	Max min	Nm AWG AWG	M3 0.5 20 12 20
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG AWG	M3 0.5 20 12 20 14 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for te Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for te 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	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for to 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	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te 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 mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	Nm AWG AWG AWG AWG mm² mm² cycles	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 te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable 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	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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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				
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

ETIM 8.0

EC001105 - Offload switch