

ENERGY AND AUTOMATION



Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN20
			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
			O - Rear
Mounting form			mounting with
Contact characteristics			black handle
Rated insulation voltage Ui			
Nated Insulation voltage of	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)	101.0	۸	20
	10kA 15kA	A A	20 16
	25kA	A	16
Rated short time current lcw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			_
AC1/AC21A			
4045		A	20
AC15	110V	۸	10
	220/230V	A A	10 8
	380/400V	A	6
	660/690V	Α	1.5
Rated operational power in AC			_
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
0: 1 1 10 0	500/690V	kW	5.5
Single-phase AC-3	440\/	12///	0.8
	110V 220/230V	kW kW	0.8 2.2
	380/440V	kW	3
Three-phase AC23A	300,		
·	220/230V	kW	5



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ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		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 curr	ent in DC	333, 110 1		
rated operational our	DC21A			
	B021/1	48V	Α	20
		60V	A	20
		110V	A	4
		220V		0.6
			A	
	D0004 (1 : : :)	440V	Α	0.25
	DC23A (poles in series)	0.434	ā	00 (4)
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	A	0.15
Power dissipation		7701	W	0.8
			• •	0.0
Mechanical features				
Mechanical features Terminals screw				M3
Terminals screw	orminals may		Nm	M3
Terminals screw Tightening torque for to	erminals max		Nm	M3 0.5
Terminals screw			Nm	
Terminals screw Tightening torque for to	erminals max AWG - Rigid cable			0.5
Terminals screw Tightening torque for to		min	AWG	20
Terminals screw Tightening torque for to	AWG - Rigid cable	min Max		0.5
Terminals screw Tightening torque for to		Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for to	AWG - Rigid cable	Max min	AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for to	AWG - Rigid cable	Max min	AWG AWG AWG AWG	0.5 20 12 20 14
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.5 20 12 20 14 0.5
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.5 20 12 20 14 0.5
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for to Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for to 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	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5
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 -on-line control	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for to 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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for to 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	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for to 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	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for to 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	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Terminals screw Tightening torque for to 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	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for to 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	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
Terminals screw Tightening torque for to 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	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5

IP00

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Terminals IP degree

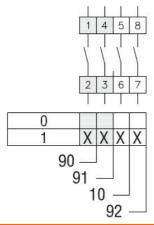
Dimensions

electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, FOR REAR MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

Ambient conditions Temperature Operating temperature °C -25 min °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree **IP40**

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



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7GN2092O

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, FOR REAR MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

cCSAus			
EAC			
UL			

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete