ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH FOR PHASE-PHASE VOLTAGES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			Rotary cam
Product type designation General characteristics Switching diagram N° of elements Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			
Switching diagram N° of elements Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			switches
Switching diagram N° of elements Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			7GN20
N° of elements Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			67 - Voltmeter
N° of elements Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			switch for phase-
Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			phase voltages
Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			2
Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			U - Front
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			mounting with
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			black handle
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith	EC/EN	V	690
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith	L/CSA	V	600
		kV	6
I			
	EC/EN	Α	20
L	L/CSA	Α	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	A	16
Detect about time augreent law	25kA	A	16
Rated short time current Icw	1s	kA	250
Conductivity	13	K/A	10/5 mA/V
Operational current le IEC/EN			10/3 11/7 7
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
)/230V	Α	8
	0/400V	Α	6
	0/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	2/0001/	1.3.47	2
	0/230V	kW	3
	0/440V 0/690V	kW kW	5.5 5.5
Single-phase AC-3	5, 000 v	17.4.4	
Ciligio pridocitio o	110V	kW	0.8
220	0/230V	kW	2.2
	0/440V	kW	3
Three-phase AC23A			



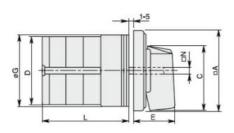
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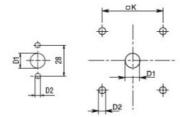
		220/230V	kW	5
		380/440V	kW	
				7.5
		500/690V	kW	7.5
	Single-phase AC23A			
	- 9 - 1	110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cu	rrent in DC			
rtated operational or	DC21A			
	DCZTA	4017		•
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	,	24V	Α	20 (1)
		48V	A	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13		- , ,	÷ (· /
	טטוט		_	
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
				0.45
		440V	Α	0.15
Power dissipation		440V		
Power dissipation Mechanical features		440V	A 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 mm² mm²	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 mm² mm²	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 & Protect	on			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				

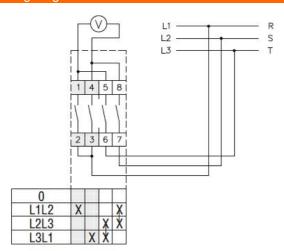




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions						L Number of elements														
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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



ENERGY AND AUTOMATION

7GN2067U

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
ETIM 8.0		EC001105 - Off- load switch