



ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL AND PHASE-PHASE VOLTAGES 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN40
Switching diagram			66 - Voltmeter switch for phase- neutral and phase-phase voltages
N° of elements			3
Mounting form			O - Rear mounting with black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	40 50
Rated operational voltage	02,00,1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	Α	40
	63kA	Α	40
Rated short time current Icw	4.0	٨	1000
Conductivity	1s	Α	1000 10/5 mA/V
Conductivity Operational current le IEC/EN			10/3 IIIA/ V
AC1/AC21A		۸	40
AC15		Α	40
7010	110V	Α	25
	220/230V	Α	22
	380/400V	Α	12
·	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V	kW	15
Circular all and AC C	500/690V	kW	15
Single-phase AC-3	440\/	1/1/1	2
	110V 220/230V	kW kW	3 6.5
	380/440V	kW	8
Three-phase AC23A	300/770 (17.4.4	<u> </u>
111100 pridoo / 1020/1	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22





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	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curr	rent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
	(poiso iii conce)	24V	Α	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	Α	12 (4)
	DC13		_	4.0
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for to	erminals max		Nm	1.2
Conductor size	ommaio max		1 1111	1.2
Conductor 3ize	AMC Rigid coblo			
	AWG - Rigid cable		A1A/O	4.0
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
			AWG	4.0
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	Max	AWG	10
	Conductor size (IEC) - Flexible cable	Max min	mm²	1.5
	Conductor size (IEC) - Flexible cable			
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	min	mm²	1.5
		min Max	mm²	1.5 6
		min Max min	mm² mm² mm²	1.5 6 1.5
Mechanical life		min Max	mm² mm² mm² mm²	1.5 6 1.5 10
Mechanical life		min Max min	mm² mm² mm²	1.5 6 1.5
UL technical data	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm² mm²	1.5 6 1.5 10
	Conductor size (IEC) - Rigid cable -on-line control	min Max min	mm² mm² mm² mm²	1.5 6 1.5 10
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max	mm² mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable -on-line control	min Max min Max	mm² mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable -on-line control	min Max min Max 120V 240V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable -on-line control	min Max min Max 120V 240V 480V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable -on-line control	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
UL technical data Motor power for direct Ambient conditions	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
UL technical data Motor power for direct Ambient conditions	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20 20
UL technical data Motor power for direct Ambient conditions	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 6 1.5 10 5x10 ⁶ 5 10 20 20



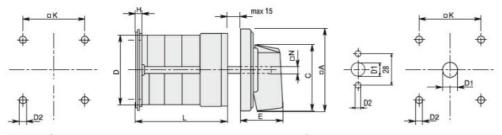
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Storage temperature

mın	°C.	-40
max	°C	+70

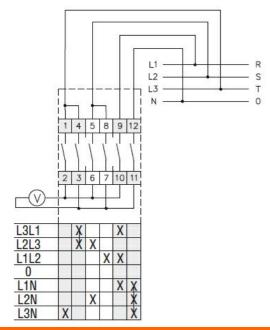
	max	0	170
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



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



7GN4066O

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cCSAus	
EAC	
UL	

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete