

ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH PHASE-NEUTRAL VOLTAGES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
-			switches
Product type designation			7GN25
General characteristics			68 - Voltmeter
Switching diagram			switch for phase- neutral voltages
N° of elements			2
			O48 - Modular
Mounting form			service cover for 35mm din rail
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Detect impulse withstand valtage Himp	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		KV	6
Conventional nee all incimal culteril ful	IEC/EN	Α	25
	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw	4		400
Conductivity	1s	kA	400 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A			
NO II/NOZII/N		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A	000/000	1300	0.5
	220/230V	kW	6.5
	380/440V 500/690V	kW kW	11 11
Single-phase AC23A	300/0907	r. v v	
Olligio pilase AOZSA	110V	kW	1.5
	220/230V	kW	3.7



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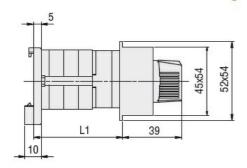
		380/440V	kW	5.5
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)		_	
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
	B040	220V	Α	10 (4)
	DC13	0.41/	Δ.	0.5
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				140.5
Terminals screw				M3.5
Tightening torque for to	erminals max ————————————————————————————————————		Nm	0.8
Conductor size				
	AWG - Rigid cable		_	
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable		_	
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			_
	Conductor size (IEC) - Rigid cable	min	mm²	0.5
	Conductor size (IEC) - Rigid cable	min Max	mm²	4
Mechanical life	Conductor size (IEC) - Rigid cable			
UL technical data			mm²	4
	-on-line control		mm²	4
UL technical data		Max	mm² cycles	5x10 <sup>6</sup>
UL technical data	-on-line control	Max 120V	mm² cycles	4 5x10 <sup>6</sup>
UL technical data	-on-line control	120V 240V	mm² cycles  HP HP	3 5
UL technical data	-on-line control	120V 240V 480V	mm² cycles  HP HP HP	3 5 10
UL technical data	-on-line control for three-phase motor	120V 240V	mm² cycles  HP HP	3 5
UL technical data	-on-line control	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 15
UL technical data	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 15
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP C°C	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3



ENERGY AND AUTOMATION

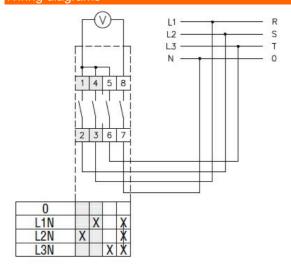
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	max	°С	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Carina	L1		
Series	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

# Wiring diagrams



## Certifications and compliance

Com	olia	nce

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

#### 7GN2568O48



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