

ROTARY CAM SWITCH 7GN SERIES, VOLTMETER SWITCH PHASE-NEUTRAL VOLTAGES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Due donet de circustica			Rotary cam
Product designation			switches
Product type designation			7GN12
General characteristics			
Switching diagram			68 - Voltmeter switch for phase- neutral voltages
N° of elements			2
			O48 - Modular
Mounting form			service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui	150/51		
	IEC/EN	V	690
Detection and a with standard to the mark the second	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	ICO/CNI	٨	16
	IEC/EN UL/CSA	A A	16 15
Rated operational voltage	OLICOA		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	_ -
Waximam 1400 0120 for others official procedure in (go)	10kA	Α	16
	15kA	Α	10
	25kA	Α	10
Rated short time current lcw			
	1s	Α	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			_
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	A	4
Detect expertional various in AC	660/690V	A	1.5
Rated operational power in AC Three-phase AC-3			
Three-phase AC-3	220/230V	kW	2.5
	380/440V	kW	2.5 4
	500/440 V	kW	5.5
Single-phase AC-3	300,000 V		
Single phase No o	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			
·	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A	110V	kW	0.8



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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational curr				
	DC21A	48V	Α	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V	A	0.25
	DC23A (poles in series)	24V	Α	10 (1)
		48V	A	10 (1) 10 (2)
		60V	A	10 (2)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13	220 V		3 (4)
	5010	24V	Α	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.4
Dower discipation		440 V		0.8
Power dissipation Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for t	erminals may		Nm	0.5
Conductor size	eminais max		INIII	0.0
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAA	AVVG	12
	AVVG - Flexible cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	AVVG	14
	Conductor size (IEC) - I lexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIdX	шш	۷.J
	Conductor Size (ILO) - Itigia Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAX	cycles	3x10 ⁶
UL technical data			cycles	JA 10
Motor power for direct	t-on-line control			
oto. powor for direct	for three-phase motor			
	ioi alloo phaoo motol	120V	HP	1.5
		240V	HP	3
	for single-phase motor	240 V	111	<u> </u>
	ioi singio phase motor	120V	HP	0.5
		240V	HP	1
Ambient conditions		Z+0 V	1 11	<u> </u>
Temperature				
ισπρειαιαισ	Operating temperature			
	Operating temperature	min	°C	-25
			°C	-25 +55
	Storage temperature	max	C	+00
	Storage temperature			



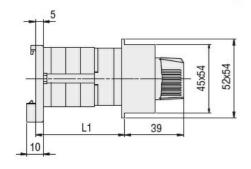
ENERGY AND AUTOMATION

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min	°C	-40
max	°C	+70

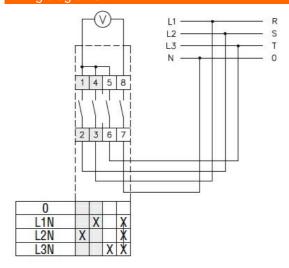
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	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

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





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ETIM 8.0

EC001029 -Selector switch, complete