

**7GN25110O48** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4-5, 1 POLE 25A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
			switches 7GN25
Product type designation General characteristics			7GN25
Switching diagram			110 - Multi-step 0-1-2-3-4-5 1 pole
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail 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	25 30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	25 25 25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		A	25
AC15		Α	25
	110V 220/230V 380/400V 660/690V	A A A A	16 12 8 2
Rated operational power in AC	000/0901	A	2
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	5.5 7.5 7.5
Single-phase AC-3	000/0001		1.0
	110V 220/230V	kW kW	1.5 3
	380/440V	kW	5.5
Three-phase AC23A	220/230V 380/440V	kW kW	6.5 11
	500/690V	kW	11
Single-phase AC23A	110V 220/230V	kW kW	1.5 3.7

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ENERGY AND AUTOMATION

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		380/440V	kW	5.5
Rated operational co	urrent in DC			
	DC21A			
		48V	А	25
		60V	А	25
		110V	А	4
		220V	А	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	А	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			( )
		24V	А	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation		2201		1.1
Mechanical features	s.		vv	1.1
Terminals screw				M3.5
Tightening torque fo	r terminale max		Nm	0.8
Conductor size			INIII	0.0
Conductor size				
	AWG - Rigid cable			00
		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			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire				
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
	<b>U</b>	120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
- I	Operating temperature			
	operating temperature	min	°C	-25
	operating temperature	min max	0° 0°	-25 +55
		min max	°C O°	-25 +55
	Storage temperature			

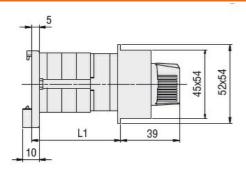
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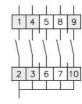
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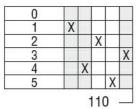
	max °C +70
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



Carias	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		
ETIM 8.0		EC001029 - Selector switch, complete

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