

**7GN1285O48** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5-6, 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

			Rotary cam
Product designation			switches
Product type designation			7GN12
General characteristics Switching diagram			85 - Multi-step 1- 2-3-4-6 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	А	16
	UL/CSA	<u>A</u>	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	1014	۸	4.0
	10kA 15kA	A A	16 10
	25kA	A	10
Rated short time current Icw	2314	~	10
	1s	kA	200
Conductivity		10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
Single-phase AC-3	500/690V	kW	5.5
Single-phase AC-5	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
	220/230V	kW	1.7
	380/440V	kW	3

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Rated operational cu	rrent in DC			
	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V	А	0.20
	DOZON (POIES III SEIIES)	24V	۸	10 (1)
			A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	А	8
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
CONDUCTOR SIZE				
	AWG - Rigid cable		A14/0	00
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	· · · ·	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data			0,000	
Motor power for direc	st-on-line control			
	for three-phase motor			
	ior unee-phase motor	4001/	ЦΠ	1 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°Č	+70
		Παλ	<u> </u>	

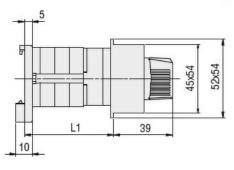
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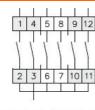
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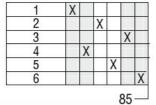
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



Cariaa		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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