WITCH 7GN SERIE



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 2 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

7GN12124O48

Product designation			Rotary cam
Product type designation			switches 7GN12
General characteristics			
Switching diagram			124 - Multi-step 0-1-2-3 2 poles
N° of elements			3
			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
Dated impulse withstand voltage Llimp	UL/CSA	V kV	600 6
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		ĸv	0
	IEC/EN	А	16
	UL/CSA	A	15
Rated operational voltage	01,00,1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	16
	15kA	А	10
	25kA	А	10
Rated short time current Icw			
	1s	kA	200
			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	16
AC15		~	10
Noro	110V	А	10
	220/230V	A	8
	380/400V	А	4
	660/690V	А	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
Single phase AC 2	500/690V	kW	5.5
Single-phase AC-3	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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45X54MM

Rated operational cu	rrent in DC			
	DC21A			
	DOLIN	48V	۸	12
			A	
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	A	10 (2)
		40V 60V		
			A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	А	8
		110V	A	1
		220V	A	0.4
<u> </u>		440V	<u>A</u>	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	AWG - Nigid Cable		ANA/C	20
		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		2.5
	Conductor size (IEC) - Rigid cable	Max		2.0
	CONDUCTOR SIZE (IEC) - RIGIU CADIE	!	2	0.5
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10⁰
UL technical data				
Motor power for direc	ct-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for circle phone motor	240 V	T IF	5
	for single-phase motor	1001		0.5
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Charge to man everture	IIIdX	U	+JJ
	Storage temperature			10
		min	°C	-40
		max	°C	+70

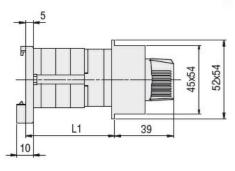
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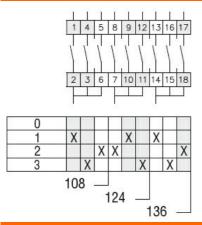
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Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



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