

7GN12109P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			109 - Multi-step 0-1-2-3-4 1 pole
N° of elements			2
Mounting form			P - Plastic enclosure with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Deter Provide a Martine Providence de Provi	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		۸	4.0
	IEC/EN	A	16
Poted operational voltage	UL/CSA	A V	15 480
Rated operational voltage Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ĸv	4
Maximum ruse size for short-circuit protection in (gG)	10kA	А	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw	20101	7.	10
	1s	kA	200
Conductivity			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
	500/690V	kW	5.5
Single-phase AC-3	44017	1.1.1.1	0.0
	110V	kW	0.8
	220/230V	kW kW	1.5
	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3
	220/230V 380/440V	kW	3 5.5
	500/690V	kW	5.5 7.5
Single-phase AC23A	500/030V	17.0.0	1.0
Ungie-priase AUZUA	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3

Rated operational current in DC

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	DC21A			
	502.11	48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	А	10 (2)
		60V	А	10 (3)
		110V	А	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	А	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	AWG Rigid bable	min	AWG	20
		Max	AWG	12
		IVIAX	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			
	. , C	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data			eyelee	6XT0
Motor power for direct-	on line control			
	for three-phase motor			
		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
			°C	-25 +55
	Stara ag tomp grate	max	U	1 00
	Storage temperature	<u>.</u>	^ ^	10
		min	°C	-40
		max	°C	+70
Resistance & Protectic				

Resistance & Protection

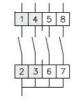
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Frontal I																IP65
Terminal		gree														IP00
Dimensic	ons															
									R		F.	- -		°	ă <u>v</u>	
Series	Enclosure	Number o	of elements						nsions					Cable	Protection	
20000000000000	size	L	L1	A	A1	С	C1	D	F	М	N	L	L1	entry	degree	
7GN12 7GN20	75x75	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN25	1	1-2	2-3	15	75	50	04	4.5	19	14	20	57.5	79.0	47613.5	IF05	
	90x90	1-3	4-6	-							-					
7GN20	90790	1-3	4 - 6													
7GN25	1	1-2	3-4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32	1	1-2	3 - 4	226.7	2003	1999/2	1200		0.25.00		1000		11000000000	111111111111111	010104069	
7GN40		1	2-3													
7GN12	110x110	1-4	5 - 8													
7GN20	I I I I I I I I I I I I I I I I I I I	1-4	5-8													
7GN25	1	1-3	4 - 5													
7GN32		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN40	1	1-2	3-5													
7GN63		1-2	3 - 4													
7GN32	125x175	1-3	4 - 5											1		
7GN40		1-2	3-4	100										4xPG21		
7GN63	1	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	2xPG11	IP65	
7GN125		1	2													
7GN32	180x254	1-5	6-8													
7GN40	100/204	1-4	5-7	100										4xPG29		
7GN63	1	1-3	4-6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65	
7GN125	1	1-2	3-4													
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Wiring di	agrams															
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Certifications and co	ompliance	
Compliance		
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete

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