CONTROL C



Product designation			Rotary cam
-			switches
Product type designation			7GN12
General characteristics			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
			P - Plastic
Mounting form			enclosure with
Contact characteristics			black handle
Rated insulation voltage Ui			
Trated insulation voltage of	IEC/EN	V	690
	UL/CSA	v	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	16
	UL/CSA	А	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	16
	15kA 25kA	A	10 10
Rated short time current Icw	ZOKA	A	10
Rated short time current icw	1s	kA	200
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	A	8
	380/400V	A	4
Rated operational power in AC	660/690V	A	1.5
Three-phase AC-3			
miee-phase A0-5	220/230V	kW	2.5
	380/440V	kW	4
	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

7GN1210P

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7GN1210P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

		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
Rated operational c	urrent in DC			
·	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	V 01-F		0.20
	DOZSA (poles in series)	24V	А	10 (1)
		48V	A	10 (2)
		60V	A	10 (3) 5 (2)
		110V	A	5 (3)
	<b>D</b> 040	220V	A	5 (4)
	DC13			4.0
		24V	A	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	3			
Terminals screw				M3
Tightening torque fo	or terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
			mm²	2.5
		Max		2.0
	Conductor size (IEC) - Rigid cable	Max		
	Conductor size (IEC) - Rigid cable			0.5
	Conductor size (IEC) - Rigid cable	min	mm²	0.5
Machanical life	Conductor size (IEC) - Rigid cable		mm² mm²	2.5
	Conductor size (IEC) - Rigid cable	min	mm²	
JL technical data		min	mm² mm²	2.5
UL technical data	ect-on-line control	min	mm² mm²	2.5
Mechanical life UL technical data Motor power for dire		min Max	mm² mm² cycles	2.5 3x10 <sup>6</sup>
UL technical data	ect-on-line control	min Max 120V	mm² mm² cycles HP	2.5 3x10 <sup>e</sup> 1.5
JL technical data	ect-on-line control for three-phase motor	min Max	mm² mm² cycles	2.5 3x10⁵
UL technical data	ect-on-line control	min Max 120V 240V	mm² mm² cycles HP HP	2.5 3x10 <sup>6</sup> 1.5 3
UL technical data	ect-on-line control for three-phase motor	min Max 120V 240V 120V	mm² mm² cycles HP HP HP	2.5 3x10 <sup>6</sup> 1.5
JL technical data	ect-on-line control for three-phase motor	min Max 120V 240V	mm² mm² cycles HP HP	2.5 3x10 <sup>6</sup> 1.5 3

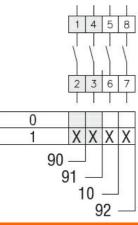
Temperature

ENERGY AND AUTOMATION

7GN1210P electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

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			opora	ung to	mpon								m	nin	°C	-25	
														ax	°Č	+55	
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			Sillay	le tem	perau	JIE							~	-in-	°C	-40	
													m	ax	°C	+70	
Resistan			n														
Frontal IF																IP65	
Terminal	s IP deg	gree														IP00	
Dimensic	ons																
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Series	Enclosure	Number o	of elements						isions			-11	-	Cable	Protection	ı	
Series	SIZE	L	L1	A	A1	C	C1	Dimer D	nsions F	M	N	L	L1	Cable entry	Protection degree	1	
7GN12	Enclosure size 75x75	L 1-2	L1 3 - 4					D	F			_		entry		1	
7GN12 7GN20	SIZE	L	L1 3 - 4 3 - 4	A 75	A1 75	C 50	C1 64			M 14	N 28	L 57.5	L1 79.8	Cable entry 4xPG13.5	Protection degree	1	
7GN12 7GN20 7GN25 7GN12	SIZE	L 1-2 1-2 1 1-3	L1 3 - 4					D	F			_		entry		-	
7GN12 7GN20 7GN25 7GN12 7GN20	size 75x75	L 1-2 1-2 1 1-3 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	entry 4xPG13.5	IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25	size 75x75	L 1-2 1-2 1 1-3 1-3 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4					D	F			_		entry		-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32	size 75x75	L 1-2 1 1-3 1-3 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	entry 4xPG13.5	IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN32 7GN40 7GN12	90x90	L 1-2 1-2 1 1-3 1-3 1-3	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	entry 4xPG13.5	IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN32 7GN40 7GN12 7GN20	size 75x75	L 1-2 1-2 1-3 1-3 1-3 1-2 1-2 1-2 1-4 1-4	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	entry 4xPG13.5	IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN32 7GN40 7GN12 7GN20 7GN25	90x90	L 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-4 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 4 - 5	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	entry 4xPG13.5	IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN12 7GN20 7GN25 7GN32	90x90	L 1-2 1-2 1 1-3 1-3 1-2 1-2 1-2 1 1-4 1-4 1-3 1-3	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	entry 4xPG13.5 4xPG16	IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN40 7GN12 7GN25 7GN32 7GN32 7GN40	90x90	L 1-2 1-2 1 1-3 1-3 1-2 1-2 1-2 1 1-4 1-4 1-3 1-3 1-2	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5 3 - 5	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	entry 4xPG13.5 4xPG16	IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN40 7GN12 7GN25 7GN32 7GN32 7GN32 7GN40 7GN32	90x90	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-4 1-3 1-3 1-2 1-2 1-4 1-3 1-3 1-3 1-3 1-3 1-2 1-2 1-2 1-3 1-3 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	entry 4xPG13.5 4xPG16	IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN25 7GN32 7GN40 7GN12 7GN20 7GN25 7GN32 7GN32 7GN32 7GN40	size 75x75 90x90 1110x110	L 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-4 1-3 1-3 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 5 3 - 5 3 - 4 4 - 5 3 - 4	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	entry 4xPG13.5 4xPG16 4xPG21 4xPG21	IP65 IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN25 7GN32 7GN40 7GN12 7GN20 7GN25 7GN32 7GN32 7GN32 7GN40 7GN32 7GN40 7GN32	size 75x75 90x90 1110x110	L 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-4 1-3 1-3 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5 3 - 5 3 - 4 4 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 5 3 - 4 4 - 5 5 - 8 5 - 5 5 - 5 5 - 5 5 - 8 5 - 5 5 - 5 5 - 8 5 - 5 5 - 5 5 - 8 5 - 5 5 - 8 5 - 5 5 - 8 5 - 5 5 - 5 5 - 6 5 - 5 5 -	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	entry 4xPG13.5 4xPG16 4xPG21	IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN40 7GN25 7GN32 7GN32 7GN32 7GN40 7GN32 7GN40 7GN40 7GN40 7GN40 7GN40 7GN425	size 75x75 90x90 110x110 125x175	L 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 4 - 5 3 - 4 3 - 4 4 - 5 3 - 4 2 - 3 5 - 8 5 - 5 5 - 8 5 - 5 5 - 8 5 - 7 5 -	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	entry 4xPG13.5 4xPG16 4xPG21 4xPG21	IP65 IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN25 7GN32 7GN40 7GN25 7GN32 7GN32 7GN32 7GN32 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40	size 75x75 90x90 1110x110	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-3 1-3 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5	L1 3 - 4 3 - 4 2 - 3 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 4 - 5 3 - 4 4 - 5 3 - 4 4 - 5 3 - 4 2 - 3 5 - 8 5 - 5 5 - 8 5 - 8 5 - 8 5 - 8 5 - 5 5 - 7 5 - 5 5 - 7 5 - 5 5 - 7 5 -	75 90 110 125	75 90 110 175	50 79 98.4 146	64 63 83 112	D 4.5 4.5 4.5 5.5	F 19 25 32 32	14 19 21 21	28 30 39.5 68	57.5 71.3 85.5 84.3	79.8 98.3 119.5 118.3	entry 4xPG13.5 4xPG16 4xPG21 4xPG21 4xPG21 2xPG11	IP65 IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN25 7GN32 7GN32 7GN32 7GN40 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN32 7GN40 7GN63 7GN63 7GN63	size 75x75 90x90 110x110 125x175	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-2 1-4 1-3 1-3 1-2 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 4 - 5 3 - 4 3 - 4 4 - 5 3 - 4 2 - 3 5 - 8 5 - 5 5 - 8 5 - 5 5 - 8 5 - 6 5 - 7 5 -	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	entry 4xPG13.5 4xPG16 4xPG21 4xPG21	IP65 IP65 IP65	-	
7GN12 7GN20 7GN25 7GN12 7GN25 7GN32 7GN32 7GN32 7GN40 7GN25 7GN32 7GN32 7GN40 7GN63 7GN32 7GN40 7GN63 7GN63 7GN40 7GN63 7GN40	size 75x75 90x90 110x110 125x175	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 4 - 5 3 - 5 3 - 5 3 - 5 3 - 5 3 - 4 4 - 5 3 - 4 4 - 5 3 - 5 3 - 5 3 - 5 3 - 4 4 - 5 3 - 4 4 - 5 3 - 5 3 - 4 4 - 5 3 - 4 3 - 4 2 6 - 8 5 - 7 6 - 8 5 - 7 7	75 90 110 125	75 90 110 175	50 79 98.4 146	64 63 83 112	D 4.5 4.5 4.5 5.5	F 19 25 32 32	14 19 21 21	28 30 39.5 68	57.5 71.3 85.5 84.3	79.8 98.3 119.5 118.3	entry 4xPG13.5 4xPG16 4xPG21 4xPG21 4xPG21 4xPG21 4xPG29	IP65 IP65 IP65	-	

Wiring diagrams



Certifications and compliance

Compliance

## IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

7GN1210P

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ENERGY AND AUTOMATION

## 7GN1210P electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

IEC/EN/BS 60947-5-1 Certificates EAC ETIM classification EC001029 -**ETIM 8.0** Selector switch, complete