



Product designation			Enclosed rotary cam switch
Product type designation			7GN12
General characteristics			
Switching diagram			90 - ON/OFF switch 1 pole
N° of elements			1
Mounting form			P - Plastic enclosure 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	A	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	A	10
Dated short time aurrent laur	25kA	A	10
Rated short time current Icw	1s	۸	200
Conductivity	15	A	10/5 mA/V
Operational current le IEC/EN			10/3 IIIA/ V
AC1/AC21A			
		А	16
AC15			10
	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
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
T	380/440V	kW	2.2
Three-phase AC23A	000/0001/	1.147	0
	220/230V	kW	3

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7GN1290P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 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 cu	rrent in DC			•
rated operational of	DC21A			
	DOZIN	48V	А	12
		40V 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
		40V 60V	A	8
		110V	A	1
		220V		
			A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				MO
Terminals screw			Nice	M3
Terminals screw Tightening torque for	terminals max		Nm	M3 0.5
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable			0.5
Terminals screw Tightening torque for		min	Nm	
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.5
Terminals screw Tightening torque for			AWG	0.5
Terminals screw Tightening torque for	AWG - Rigid cable		AWG	0.5
Terminals screw Tightening torque for	AWG - Rigid cable	Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG mm ²	0.5 20 12 20 14 0.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm ² mm ²	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm ² mm ² mm ² cycles HP HP	0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3 0.5

Temperature

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		Operating temperature												nin	°C	-25	
														ax	°C	+55	
Storage temperature															°C °C	-40 +70	
Resistan			า														
Frontal IF	^{>} degree	е														IP65	
Terminal	s IP deg	gree														IP00	
Dimensions																	
		↔ • •							R		F.	- -		* o o	i L		
Series	Enclosure	Number o	f elements	A	A.1	С	C1	Dimer D	nsions F	M	N		L1	Cable entry	Protection degree		
7GN12 7GN20	75x75	1-2 1-2	L1 3 - 4 3 - 4	А 75	A1 75	50	64	4.5	г 19	14	N 28	57.5	79.8	4xPG13.5	IP65		
7GN20 7GN25 7GN32 7GN40	90x90	1 1-3 1-3 1-2 1-2 1-2	2 - 3 4 - 6 3 - 4 3 - 4 2 - 3	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
7GN12 7GN20 7GN25 7GN32 7GN40 7GN63	110x110	1 - 4 1 - 4 1 - 3 1 - 3 1 - 2 1 - 2	5 - 8 5 - 8 4 - 5 4 - 5 3 - 5 3 - 4	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
7GN32 7GN40 7GN63 7GN125	125x175	1-3 1-2 1-2	4 - 5 3 - 4 3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65		

32

5.5

35

76

121

175

Wiring diagrams

180x254

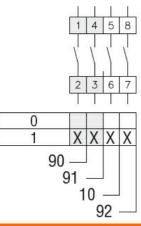
7GN125

7GN32

7GN40

7GN63

7GN125



2

6-8

5 - 7

4 - 6

3 - 4

180

254

120

190

1

1-5

1 - 4

1-3

1-2

Certifications and compliance

Compliance

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

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4xPG29

2xPG11

IP65



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 IEC/EN/BS 60947-5-1

 Certificates

 EAC

 ETIM classification

 ETIM 8.0

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