ENERGY AND AUTOMATION



Product designation			Enclosed rotary cam switch
Product type designation			7GN32
General characteristics			
Switching diagram			91 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			20
	IEC/EN	A	32
Dated apprectional voltage	UL/CSA	A V	40 480
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	32
	15kA	A	32
	25kA	A	32
	50kA	A	32
Rated short time current Icw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	32
AC15			
	110V	A	25
	220/230V	A	20
	380/400V	A	10
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	220/230V	۲\\/	7.5
	220/230V 380/440V	kW kW	7.5 11
	500/690V	kW	11
Single-phase AC-3	000,000 V	1.1.1.1	
	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5
Three-phase AC23A			

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7GN3291P electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

		220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single phase AC22A	500/0907	r v v	10.0
	Single-phase AC23A	4401/		
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational cur				
	DC21A			
		48V	А	32
		60V	А	32
		110V	А	6
		220V	A	0.9
	DC23A (poles in series)	2201		0.0
	DOZOR (poles in series)	24V	А	32 (1)
		48V	A	32 (2)
		60V	A	32 (3)
		110V	А	15 (3)
		220V	А	12 (4)
	DC13			
		24V	А	32
		48V	А	25
		60V	А	16
		110V	A	3
		220V	A	0.5
Dower dissinction		220 V	 W	1.5
Power dissipation Mechanical features			VV	1.5
Torminals corow				N/1/1
Terminals screw	terminale may		Nex	M4
Tightening torque for	terminals max		Nm	M4 1.2
			Nm	
Tightening torque for	terminals max AWG - Rigid cable			1.2
Tightening torque for		min	AWG	
Tightening torque for		min Max		1.2
Tightening torque for			AWG	1.2
Tightening torque for	AWG - Rigid cable		AWG	1.2
Tightening torque for	AWG - Rigid cable	Max	AWG AWG	1.2 16 8
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Maxmin	AWG AWG AWG	1.2 16 8 16
Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG mm <sup>2</sup>	1.2 16 8 16 10 1.5
Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	1.2   16   8   16   10   1.5   4
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 <sup>2</sup> mm <sup>2</sup>	1.2 16 8 16 10 1.5 4 1.5
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 <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	1.2 16 8 16 10 1.5 4 1.5 6
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 <sup>2</sup> mm <sup>2</sup>	1.2 16 8 16 10 1.5 4 1.5
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 <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	1.2 16 8 16 10 1.5 4 1.5 6
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 <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	1.2 16 8 16 10 1.5 4 1.5 6
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 <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
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 AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	1.2 16 8 16 10 1.5 4 1.5 6
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 <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
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 <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10
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 480V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15
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   t-on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10
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 480V 600V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
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   t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP HP	1.2   16   8   16   10   1.5   4   1.5   6   5x10 <sup>6</sup> 5   10   15   2
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   t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15

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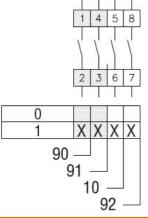
electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

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## Temperature

remperature	C	Operat	ing te	mpera	ature											
	-		5									m	nin	°C	-25	
														°Č	+55	
	<u>_</u>	Storag	o tom	norati	Iro								un	0	100	
	L.	loiay	e tem	perati								~	nin	°C	-40	
														°C		
												m	ax	C	+70	
Resistance & Pi																
Frontal IP degre															IP65	
Terminals IP de	gree														IP00	
Dimensions																
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Series Enclosure	Number of e		٨	44	0	01	Dimer D		м	N	-	14	Cable entry	Protection degree		
7GN12 75x75	1-2	L1 3-4	A	A1	С	C1	U	F	М	N	L	L1	onuy	utgree		
7GN20	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65		
7GN25	1	2-3														
7GN12 90x90	1-3	4 - 6														
7GN20 7GN25	1-3 1-2	4 - 6 3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
7GN32	1-2	3-4	90	90	19	03	4.0	25	19	30	11.5	90.5	47610	1600		
7GN40	1	2-3														
7GN12 110x110	1-4	5 - 8													£	
7GN20	1-4	5-8														
7GN25 7GN32	1-3 1-3	4 - 5 4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
7GN40	1-2	3-5														
7GN63	1-2	3 - 4														
7GN32 125x175	1-3	4 - 5														
7GN40	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65		
7GN63 7GN125	1-2	3-4		0.000.0		20070							2xPG11			
7GN32 180x254	1-5	2 6-8													£	
7GN40	1-4	5-7	100	054	100	100		00	05	70	101	175	4xPG29	IDOC		
7GN63	1-3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65		
7GN125	1-2	3 - 4														
Wiring diagrams	;															

Wiring diagrams



Certifications and compliance Compliance

## IEC/EN/BS 60947-1

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	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch, complete