



Product designation			Enclosed rotary
			cam switch
Product type designation			7GN125
General characteristics			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
			P - Plastic
Mounting form			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		-	
	IEC/EN	A	125
	UL/CSA	<u>A</u>	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)			405
	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA 63kA	A	100 100
Rated short time current Icw	OSKA	A	100
	1s	kA	2100
Conductivity	13	N/1	10/5 mA/V
Operational current le IEC/EN			10/3 11/4 4
AC1/AC21A			
AO INOZ IA		А	125
AC15			120
	110V	А	40
	220/230V	A	28
	380/400V	А	15
	660/690V	А	5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3			
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



# **7GN12592P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	Single-phase AC23A			-
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational cur	rrant in DC	300/440 V	K V V	10
	DC21A			
	DCZTA	40\/	۸	105
		48V	A	125
		60V	A	80
		110V	А	10
		220V	Α	1.2
	DC23A (poles in series)			
		24V	Α	125 (1)
		48V	А	125 (2)
		60V	Α	125 (3)
		110V	А	50 (3)
		220V	А	20 (4)
	DC13			\ /
		24V	А	125
		48V	A	100
		40V 60V	A	50
Devues dis siz eties		110V	<u>A</u>	4
Power dissipation			W	6.3
Mechanical features				
Terminale corour				MOVE
Terminals screw			Nine	M2X5
Tightening torque for	terminals max		Nm	M2X5 2
			Nm	
Tightening torque for	terminals max AWG - Rigid cable			2
Tightening torque for		min	AWG	2
Tightening torque for		min Max		2
Tightening torque for			AWG	2
Tightening torque for	AWG - Rigid cable		AWG	2
Tightening torque for	AWG - Rigid cable	Max	AWG AWG	2 14 1/0
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG AWG	2 14 1/0 14
Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	2 14 1/0 14 1/0
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG mm <sup>2</sup>	2 14 1/0 14 1/0 2.5
Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	2 14 1/0 14 1/0
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>	2 14 1/0 14 1/0 2.5 50
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>	2 14 1/0 14 1/0 2.5 50 2.5
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>	2 14 1/0 14 1/0 2.5 50 2.5 50
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>	2 14 1/0 14 1/0 2.5 50 2.5
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>	2 14 1/0 14 1/0 2.5 50 2.5 50
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>	2 14 1/0 14 1/0 2.5 50 2.5 50
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	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <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 min	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	2 14 1/0 14 1/0 2.5 50 2.5 50
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	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <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	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 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	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	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25 50
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	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25
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 HP HP HP HP HP	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25 50 40
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   120V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP HP HP	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25 50 40 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 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	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 <sup>6</sup> 15 25 50 40

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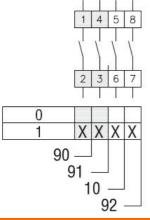


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#### Temperature

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															°C	-25	
													m	ax	°C	+55	
			Storag	je tem	perati	lre											
															°C	-40	
													m	ax	°C	+70	
Resistan	ce & Pr	otectior	า														
Frontal IF	o degre	е														IP65	
Terminal	s IP deg	gree														IP00	
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Series	Enclosure size	Number o	f elements L1	A	A1	С	C1	Dimer D	nsions F	M	N		L1	Cable entry	Protection degree		
7GN12	75x75	1-2	3 - 4	~	AI	U	01	U	1	IVI	IN	L	LI	ond y	dogroo		
7GN20	10/10	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 7GN20	90x90	1-3	4 - 6 4 - 6	{													
7GN20 7GN25		1-3	3-4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
7GN32		1-2	3-4						20			1 1.0	00.0	mare			
7GN40		1	2 - 3	1												_	
7GN12	110x110	1-4	5 - 8														
7GN20 7GN25		1-4 1-3	5-8 4-5														
7GN25		1-3	4-5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
7GN40		1-2	3-5	1													
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 2											2xPG11			
7GN32	180x254	1-5	6 - 8										-			•	
7GN40	UNLOT	1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65		
7GN63		1-3	4 - 6	100	204	120	190	0.0	32	35	10	121	1/5	2xPG11	1100		
7GN125		1-2	3 - 4													2	

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		
ETIM 8.0		EC001029 - Selector switch, complete

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