



Des durat de sieur stieur			Enclosed rotary
Product designation			cam switch
Product type designation			7GN20
General characteristics			
Switching diagram			90 - ON/OFF
			switch 1 pole
N° of elements			1
Mounting form			P - Plastic enclosure with
Mounting form			black handle
Contact characteristics			DIACK HAITUIE
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	А	20
	UL/CSA	А	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	20
	15kA	А	16
	25kA	А	16
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		_	
		A	20
AC15	44014		4.0
	110V	A	10
	220/230V 380/400V	A	8
	660/690V	A A	6 1.5
Rated operational power in AC	000/090 v	~	1.5
Three-phase AC-3			
mee-phase A0-5	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	5

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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



7GN2090P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Datad an arational aur	ment in DC	300/440 V	K V V	5.7
Rated operational cur				
	DC21A		_	
		48V	А	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	D 010	220V	A	8 (4)
	DC13	_		
		24V	А	20
		48V	A	16
		60V	Α	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
			VV	
-			VV	0.0
Mechanical features			VV	
Mechanical features Terminals screw	torminala may			М3
Mechanical features Terminals screw Tightening torque for	terminals max		Nm	
Mechanical features Terminals screw				М3
Mechanical features Terminals screw Tightening torque for	terminals max AWG - Rigid cable		Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for		min	Nm	M3 0.5 20
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	min Max	Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for			Nm	M3 0.5 20
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable		Nm	M3 0.5 20
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max	Nm AWG AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	Nm AWG AWG	M3 0.5 20 12 20
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG mm ²	M3 0.5 20 12 20 14 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features 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	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
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Mechanical features 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	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 5x10 ⁶
Mechanical features 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	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
Mechanical features 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 480V	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Mechanical features 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	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
Mechanical features 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 480V 600V	Nm AWG AWG AWG mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
Mechanical features 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 480V	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5

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ENERGY AND AUTOMATION

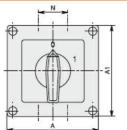
Ambient conditions

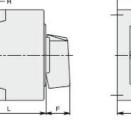
Temperature

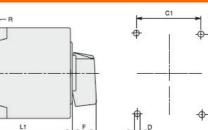
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
tion			
			IP65
			IP00

Terminals IP degree Dimensions

Resistance & Protect Frontal IP degree

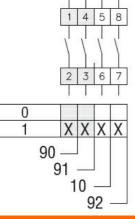






Series	Series Enclosure Number of		f elements	Dimensions								Cable	Protection		
061165	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN25]	1-2	3 - 4												
7GN32	1	1-2 3	3 - 4												
7GN40		1	2 - 3												
7GN12	110x110	1-4	5-8							1				-	
7GN20		1-4	5 - 8				83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN25		1-3	4 - 5	110	110	98.4									
7GN32]	1-3	4 - 5	110	110	98.4									
7GN40		1-2	3-5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5							1		1	1		
7GN40		1-2	3 - 4	105	475	1.00	110					04.0	110.0	4xPG21	IDOC
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		1-4	5 - 7	100	054	100	100		20	05	70	101	175	4xPG29	IDOC
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												

Wiring diagrams



Certifications and compliance Compliance

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	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
		EC001029 -
		O a la atau avultata

Selector switch, complete

ETIM 8.0