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ENERGY AND AUTOMATION

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary
Product type designation			cam switch 7GN20	
General characteristics				7 GIN20
Switching diagram				08 - ON/OFF
				switch 4 poles
N° of elements				2
Mounting form				P25 - Plastic enclosure with
Mounting form				red/yellow handle
Contact characteristics	3			
Rated insulation voltag	je Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	A	20
		UL/CSA	<u>A</u>	20
Rated operational volta			V	480
Rated operational imp	· · · · · · · · · · · · · · · · · · ·		kV	4
Maximum fuse size for	r short-circuit protection In (gG)	401-4	•	00
		10kA 15kA	A	20 16
		25kA	A A	16
Rated short time curre	ot low	ZJKA	A	10
Rated Short time cure	THE ICW	1s	kA	250
Conductivity		13	<u>кл</u>	 10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			А	20
	AC15			
		110V	А	10
		220/230V	А	8
		380/400V	А	6
		660/690V	А	1.5
Rated operational pow	ver in AC			
	Three-phase AC-3			
		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	000/0001/	1.1.4.7	r
		220/230V	kW	5
		380/440V	kW	7.5
	Cincle phase ACCOA	500/690V	kW	7.5
	Single-phase AC23A	44014	1-1.1.1	0.9
		110V 220/230V	kW kW	0.8
		220/230V 380/440V	kvv kW	2.5 3.7
Pated operational curr	ant in DC	500/440V	IX V V	5.1

Rated operational current in DC

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	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)
		40V 60V	A	20 (2)
		110V	A	10 (3)
		220V	A	
	DC13	220 V	A	8 (4)
	DC13	0.4)/	^	00
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	AWO Nigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAA	ANG	12
	AWG - Flexible cable		A)A/C	20
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor	000 V		
		120V	HP	0.75
		240V	HP	2
Ambient conditions		240 V	٦٣	۷
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

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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

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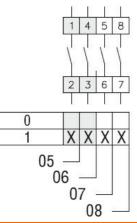
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°C +70 max Resistance & Protection Frontal IP degree IP65 Terminals IP degree **IP00** Dimensions Ν C1 Ð 0 Φ Œ -4 L1 Cable entry Number of elements Dimensions Enclosure Protection degree Series size L1 A A1 С C1 D F Μ Ν L1 1 L 7GN12 75x75 1-2 3 - 4 7GN20 1-2 3-4 75 75 50 64 4.5 19 14 28 57.5 79.8 4xPG13.5 **IP65** 2 - 3 7GN25 1 7GN12 1-3 4 - 6 90x90 7GN20 1-3 4 - 6 3 - 4 90 90 79 63 30 98.3 4xPG16 IP65 7GN25 1-2 4.5 25 19 71.3 3-4 7GN32 1-2 7GN40 1 2 - 3 7GN12 110x110 1-4 5 - 8 1-4 7GN20 5 - 8 7GN25 1-3 4 - 5 110 **IP65** 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 7GN32 1-3 4 - 5 7GN40 1-2 3-5 7GN63 1-2 3-4 7GN32 125x175 1 - 3 4 - 5 7GN40 4xPG21 1-2 3-4 125 175 146 112 32 21 68 84.3 118.3 IP65 5.5 2xPG11 3 - 4 7GN63 1-2 7GN125 2 1 7GN32 180x254 1-5 6 - 8 7GN40 4xPG29 1-4 5 - 7 180 254 120 190 5.5 32 35 76 121 175 IP65 7GN63 2xPG11 1-3 4 - 6 7GN125 1-2 3-4

Viring diagrams



Certifications and compliance

Compliance

ompliance		
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
ertificates		

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Certificates	
	EAC
ETIM classification	

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ETIM 8.0

EC001105 - Offload switch