

7GN2005P25 ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation			Enclosed rotary
-			cam switch
Product type designation General characteristics			7GN20
Switching diagram			05 - ON/OFF
N° of elements			switch 1 pole
			P25 - Plastic
Mounting form			enclosure with red/yellow 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	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	20
	15kA	A	16
Detailed d'anne annath	25kA	A	16
Rated short time current Icw	1.0	1. 4	250
	1s	kA	250 10/5 mA/V
Conductivity			10/5 mA/v
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		А	20
AC15		~	20
A013	110V	А	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power 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			
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	2.5
Rated operational current in DC	380/440V	kW	3.7

Rated operational current in DC

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electric

ENERGY AND AUTOMATION

	DC21A			
		48V	А	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC22A (palas in spring)	440 V	~	0.25
	DC23A (poles in series)	241/	۸	20 (1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13			
		24V	Α	20
		48V	A	16
		60V	Α	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
Conductor size				
	AWG - Rigid cable			00
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		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			ý	
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		240V 480V	пР HP	
				7.5
	for simple where we tak	600V	HP	10
	for single-phase motor			0.75
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
			-	

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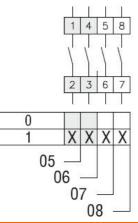
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°C +70 max Resistance & Protection Frontal IP degree IP65 Terminals IP degree **IP00** Dimensions Ν C1 Ð 0 Φ -4 L1 Cable entry Number of elements Dimensions Enclosure Protection degree Series size L1 A A1 С C1 D F Μ Ν L1 1 L 7GN12 75x75 1-2 3 - 4 7GN20 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 19 30 71.3 98.3 4xPG16 IP65 7GN25 1-2 4.5 25 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 4xPG21 110 **IP65** 110 98.4 83 4.5 32 21 39.5 85.5 119.5 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

Wiring diagrams



Certifications and compliance

Compliance

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

Certificates	
	EAC
ETIM classification	



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ETIM 8.0

EC001105 - Offload switch