

**7GN2007U25** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Deschart design etter			Rotary cam
Product designation			switches
Product type designation General characteristics			7GN20
Switching diagram			07 - ON/OFF switch 3 poles
N° of elements			2
Mounting form			U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 16 16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		А	20
AC15		73	20
	110V 220/230V 380/400V 660/690V	A A A	10 8 6 1.5
Rated operational power in AC	000/090V	A	1.0
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	3 5.5 5.5
Single-phase AC-3	300/0301		0.0
	110V 220/230V 380/440V	kW kW kW	0.8 2.2 3
Three-phase AC23A	220/230V	kW	5
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	110V	kW	0.8
	220/230V	kW	2.5

7GN2007U25

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ENERGY AND AUTOMATION

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7GN2007U25

		380/440V	kW	3.7
Rated operational cur	rrent in DC			
	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	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	A	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				0.0
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
	AWG - Rigid cable			
	AWO - Nigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Ινίαλ	ANG	12
	AVVG - Flexible Cable	min	AWG	20
		min		
	Conductor cize (IEC) Elevible coble	Max	AWG	14
	Conductor size (IEC) - Flexible cable			0.5
			mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	<u>-</u>	~	o =
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direc				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
			°C	20

7GN2007U25

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°C

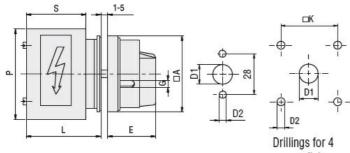
max

+55



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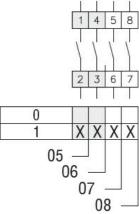
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



screws fixing (4V version).

Series	Dimensions								
Series	□A	D1	D2	E	G	□K	S	Р	L
7GN12	65	12	5	34.2	5	36	43	64	54.3
7GN20	65	12	5	34.2	5	36	43	64	54.3
7GN25	65	12	5	34.2	5	36	51	68	62.6
7GN32	65	14	5	38	6	48	55	77	71.7
7GN40	65	14	5	38	6	48	55	77	71.7

Wiring diagrams



## Cert Corr

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Certificatio	ons and compliance	
Complianc	ce	
	CSA C22.2 n° 14	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates	S	
	cCSAus	
	EAC	
	UL	
ETIM class	sification	
ETIM 8.0		EC001105 - Off- load switch
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