

## **7GN2507U** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			07 - ON/OFF switch 3 poles
N° of elements			2
Mounting form			U - Front mounting with black handle
Contact characteristics			DIACK HAHUIE
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	25
	UL/CSA	Α	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw	1.	٨	100
Conductivity	1s	A	400 10/5 mA/V
Conductivity			10/5 MA/V
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		А	25
AC15		~	25
A013	110V	А	16
	220/230V	A	12
	380/400V	A	8
	660/690V	А	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			
	220/230V	kW	6.5
	380/440V	kW	11
01-11-11-1-1-00004	500/690V	kW	11
Single-phase AC23A	44014	1.1.1.1	1 5
	110V 220/230V	kW	1.5
	220/230V 380/440V	kW kW	3.7 5.5
Rated operational current in DC	36U/44UV	kW	5.5

## Rated operational current in DC

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	DC21A			
		48V	А	25
		60V	А	25
		110V	А	4
		220V	А	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	А	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	A	10 (4)
	DC13			
	5010	24V	А	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation		220 V		1.1
Mechanical features			VV	1.1
Terminals screw				M3.5
			Nine	
Tightening torque for t	erminais max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	_		
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct	-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
	operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	Παλ		
	olorage lemperalure	min	°C	-40
		min	°C	-40 +70
Resistance & Protecti	00	max	C	+70

**7GN2507U** 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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## Frontal IP degree IP40 Terminals IP degree IP00 Dimensions Wiring diagrams 4 5 8 1 6 7 2 3 0 1 XXX Х 05 -06 07 08 Certifications and compliance Compliance 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 cCSAus EAC UL ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete