

## 7GN2005U11 electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

			Rotary cam
Product designation			switches
Product type designation General characteristics			7GN20
			05 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U11 - Front
			mounting with black handle
Mounting form			without front plate
			for hole diam.
			22mm fixing
Contact characteristics			
Rated insulation voltage Ui		V	<u> </u>
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	00/034	kV	6
Conventional free air thermal current Ith		ιτν	0
	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	A	16
Rated short time current Icw	25kA	A	16
Rated short time current icw	1s	kA	250
Conductivity	13	N/1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	A	8
	380/400V 660/690V	A	6
Rated operational power in AC	000/0901	A	1.5
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
Three-phase AC23A	380/440V	kW	3
Thee-phase A025A	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

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ENERGY AND AUTOMATION

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		380/440V	kW	3.7
Rated operational curr				
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	A	0.6
		440V	A	0.25
		440 V	A	0.25
	DC23A (poles in series)		_	(1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13		7.	0(1)
	Delis	241/	۸	20
		24V	A	20
		48V	А	16
		60V	A	12
		110V	Α	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
			VV	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
		IVIDA	ANO	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 <sup>6</sup>
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			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
remperature	On exerting terms and the			
	Operating temperature		~ <del>-</del>	
		min	°C	-25
		max	°C	+55

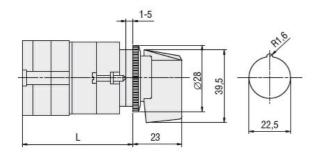
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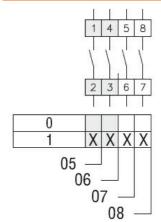
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Series	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

## Wiring diagrams



## Certifications and compliance

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		EC001105 - Off-
		load awitab

load switch

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