



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



Product designation				Rotary cam
-	ion			switches 7GN20
Product type designation General characteristics				7 GIN20
				10 - ON/OFF
Switching diagram				switch 3 poles
N° of elements				2
Mounting form				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics				
Rated insulation voltage	je Ui	IFO/FAI	\/	600
		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta	nd voltage Himp	UL/COA	kV	6
Conventional free air the			i v	
		IEC/EN	Α	20
		UL/CSA	Α	20
Rated operational volta	age		V	480
Rated operational imp	ulse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	20
		15kA	A	16
Data d about time a group	mā lau.	25kA	Α	16
Rated short time curre	nt icw	1s	kA	250
Conductivity		15	KA.	10/5 mA/V
Operational current le	IEC/EN			10/3 IIIA/ V
Operational current le	AC1/AC21A			
	7.6.77.62.77		Α	20
	AC15			_
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
		660/690V	Α	1.5
Rated operational pow				
	Three-phase AC-3	220/2201/	LAAA	0
		220/230V 380/440V	kW kW	3 5.5
		500/690V	kW	5.5
	Single-phase AC-3	300/030 V	17.4.4	<u> </u>
	g p	110V	kW	0.8
		220/230V	kW	2.2





7GN2010U12

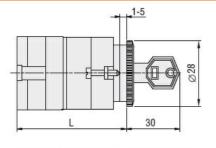
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Three-phase AC23A					
Single-phase AC23A Single-			380/440V	kW	3
Saloy-4-00		Three-phase AC23A			
Saloy-4-00		•	220/230V	kW	5
Single-phase AC23A			380/440V	kW	
Single-phase AC23A					
1100		Single-phase AC23A			
Rated operational current in DC DC21A		omgio pridos / (ozo/ (110\/	<i>ا</i> ۸۸	Λ 8
Rated operational current in DC DC21A					
Rated operational current in DC DC21A 48V					
DC21A	Datad aparational a	turrent in DC	300/440 V	KVV	3.1
ABV	Rated operational ci				
Both		DC21A		_	
110V					
DC23A (poles in series)					
DC23A (poles in series)				Α	
DC23A (poles in series)			220V	Α	0.6
A			440V	Α	0.25
A		DC23A (poles in series)			
ABV		v /	24V	Α	20 (1)
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Conduc					
110V A 10 (3) 220V A 8 (4) 10 (3) 220V A 16 (60V A 12 (110V A 110V					
DC13					
DC13					
A		D040	ZZUV	А	0 (4)
A		DC13		_	
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Conduc					
110V					
Power dissipation					
Power dissipation W 0.8			110V	Α	1
Power dissipation W 0.8			220V	Α	0.4
Max			440V	Α	0.15
Max	Power dissipation			W	0.8
Terminals screw					
Tightening torque for terminals max					M3
AWG - Rigid cable		or terminals may		Nm	
AWG - Rigid cable 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 Max mm² 2.5 Mechanical life cycles 5x106 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		i terriirais max		14111	0.0
Max AWG 20 Max AWG 12	Conductor Size	ANAC Digid apple			
Max AWG 12		AVVG - Kigiu cable	•	A1A/O	20
AWG - Flexible cable min					
Max AWG 14			Max	AWG	12
Max AWG 14		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max mm² 0.5 Max mm² 2.5			<u>Max</u>	AWG	14
Max mm² 0.5 Max mm² 2.5		Conductor size (IEC) - Flexible cable			
Max mm² 2.5			min	mm²	0.5
Conductor size (IEC) - Rigid cable				mm²	
min Max mm² mm² mm² mm² 2.5 0.5 mm² 2.5 Mechanical life cycles 5x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 mm² 1.5 mm		Conductor size (IEC) - Rigid cable			
Max mm² 2.5 Mechanical life cycles 5x106 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		:	min	mm²	0.5
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					
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	Mechanical life		IVICA		
Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 480V HP 7.5				cycles	UA 10
for three-phase motor 120V HP 1.5 240V HP 3 480V HP 7.5		act on line control			
120V HP 1.5 240V HP 3 480V HP 7.5	iviotor power for dire				
240V HP 3 480V HP 7.5		tor three-phase motor			
480V HP 7.5					
600V HP 10				HP	7.5
			600V	HP	10



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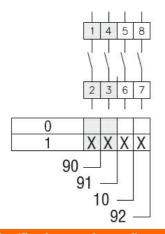
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				





Carias	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

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



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EAC			
UI			

ETIM classification

ETIM 8.0 EC001105 - Off-load switch