

ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Product designation				Rotary cam switches
Product type designat	ion			7GN20
General characteristic				
Switching diagram				54 - Changeover switch without 0 1 pole
N° of elements				1
Mounting form				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristic				
Rated insulation voltage		IEC/EN UL/CSA	V V kV	690 600
Rated impulse withsta Conventional free air t	• •		KV	0
Conventional free all t	nemai curent illi	IEC/EN UL/CSA	A A	20 20
Rated operational volt	-		V	480
Rated operational imp			kV	4
Maximum fuse size fo	r short-circuit protection In (gG)	10kA	А	20
		15kA	Α	16
		25kA	Α	16
Rated short time curre	ent Icw	1s	Α	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN AC1/AC21A			
	AC15		Α	20
	ACIS	110V 220/230V	A A	10 8
		380/400V	A	6
Rated operational pov	ver in AC	660/690V	A	1.5
rated operational pov	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
	T	380/440V	kW	3
	Three-phase AC23A	000/0001	1.147	F
		220/230V	kW	5
		380/440V 500/690V	kW kW	7.5 7.5
	Single-phase AC23A	300/0801	V A A	1.0
	Single phase A020A	110V	kW	0.8
		1101		



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		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cur	rent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				0.0
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size	torrinia o max			0.0
0011dd0t01 3120	AWG - Rigid cable			
	AWO Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	AVVO	12
	AWG - Flexible cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) Flevible coble	IVIAX	AVVG	14
	Conductor size (IEC) - Flexible cable		2	٥.5
		min	mm²	0.5
	Conductor sine (IEO) District Col.	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
NA 1 2 1.02		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
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



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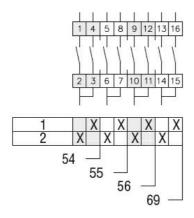
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

1-5



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

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete