



ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation			switches 7GN20
General characteristics			
Switching diagram			97 - Ammeter switch
N° of elements			5
Mounting form			U47 - Snap on fron mounting with black handle
			for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Detections also with stead walterns I live	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional free air thermal current ith	IEC/EN	Α	20
	UL/CSA	A	20
Rated operational voltage	OL/OUA	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current lcw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	220/2201	121/1	2
	220/230V 380/440V	kW kW	3 5.5
	500/690V	kW	5.5 5.5
Single-phase AC-3	300/030 V	17.4.4	<u> </u>
Ciligio phace No c	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			0.0
	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7



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Rated operational curr	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)	-		
	- 0 - 0 · (F 0 · 0 · 0 · 0 · 0 · 0 ·)	24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	A	10 (3)
		220V	Α	8 (4)
	DC13			3 (.)
	5010	24V	Α	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		440 V	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for to	orminals may		Nm	0.5
Conductor size	eminais max		INIII	0.5
Conductor size	AVAC Digid coble			
	AWG - Rigid cable		A1A/O	00
		min	AWG	20
	ANNO FIGURE STATE	Max	AWG	12
	AWG - Flexible cable		414/0	00
		min	AWG	20
	O I ((150)	Max	AWG	14
	Conductor size (IEC) - Flexible cable			0.5
		min	mm²	0.5
	0 1 (50) 5(1)	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable		2	2 -
		min	mm²	0.5
NA 1 1 1117		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data	Parameter I			
Motor power for direct				
	for three-phase motor	4001		4.5
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			0.75
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			

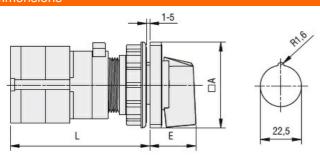


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min	°C	-40
max	°C	+70

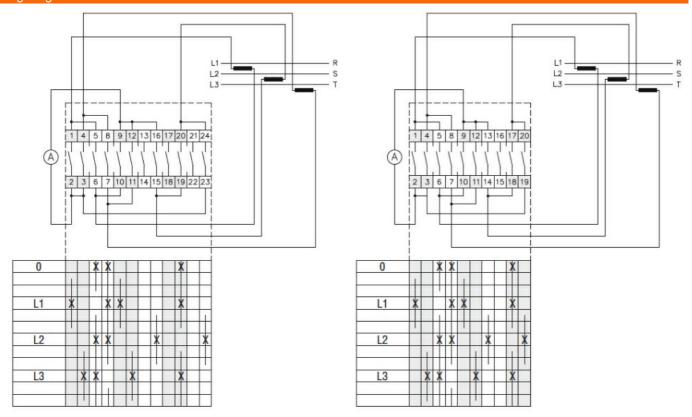
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Carias	Dimensions		L			
Series	□A	Е	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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



7GN2097U47

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification	on Control of the Con	
ETIM 8.0		EC001029 - Selector switch, complete