

ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
•			switches
Product type designation			7GN20
General characteristics Switching diagram			25 - 1-phase motor reversing switch with spring return
N° of elements			2
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V	690 600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		kV	6
	IEC/EN UL/CSA	A A	20 20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 16 16
Rated short time current Icw	2010 (		10
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		A	20
AC15			
	110V 220/230V 380/400V 660/690V	A A A	10 8 6 1.5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	3 5.5 5.5
Single-phase AC-3	300/030 V	17.4.4	0.0
	110V 220/230V 380/440V	kW kW kW	0.8 2.2 3
Three-phase AC23A	220/230V	kW	5
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	110V	kW	0.8



**ENERGY AND AUTOMATION** 

7GN2025U47

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		220/230V	kW	2.5
		380/440V	kW	3.7
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)			
		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				
Terminals screw				M3
Tightening torque for t	erminals max		Nm	0.5
Conductor size				
0011440101 0120	AWG - Rigid cable			
	7.WC Trigia dabio	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	7,110	12
	AWO - I lexible cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	AVVG	14
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		min Mov	mm²	
	Conductor size (IEC) Digid coble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	!-	na na 2	0.5
		min	mm²	0.5
Machaniaalifi		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data	an Bura santusi			
Motor power for direct				
	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

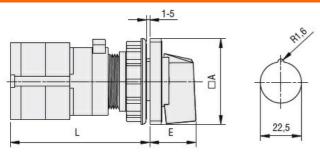


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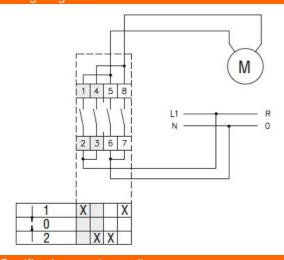
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				

#### **Dimensions**



Series	Dimensions		L			
	□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

Certificates

cCSAus

EAC

UL

#### ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete

## 7GN2025U47



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