



# ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
-			switches
Product type designation  General characteristics			7GN20
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
Mounting form  Contact characteristics			O48 - Modular service cover for 35mm din rail mounting with black handle
Rated insulation voltage Ui			
Nated Insulation voitage of	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational voltage	OLIOOA	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA 15kA	A A	20 16
Petrolate of the control of the cont	25kA	A	16
Rated short time current Icw	1s	kA	250
Conductivity	15	KA	10/5 mA/V
Operational current le IEC/EN			10/3 111/4 4
AC1/AC21A		Α	20
AC15			
	110V 220/230V	A A	10 8
	380/400V	Α	6
Rated operational power in AC	660/690V	Α	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
Tillee-pilase A023A	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
<b>5</b> ,	110V	kW	0.8
	220/230V	kW	2.5





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		380/440V	kW	3.7
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)		_	(1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	B040	220V	A	8 (4)
	DC13	241/	۸	20
		24V 48V	A	20
		48 V 60 V	A	16
			A	12
		110V	A	1
		220V	A	0.4
Dower dissination		440V	A W	0.15
Power dissipation  Mechanical features			VV	0.8
Terminals screw				M3
Tightening torque for to	orminals may		Nm	0.5
Conductor size	enninais max		INIII	0.5
Conductor Size	AWG - Rigid cable			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	7,,,,	12
	AVVO T TEXABLE CABLE	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIOX	71110	
	Conductor Cizo (120) Trovibre cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	T.I.O.K		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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			
	for single-phase motor	120V	HP	0.75
	for single-phase motor	120V 240V	HP HP	0.75 2
Ambient conditions	for single-phase motor			
Ambient conditions Temperature	for single-phase motor			
	for single-phase motor  Operating temperature			
		240V	HP	2

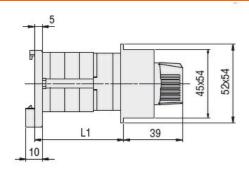




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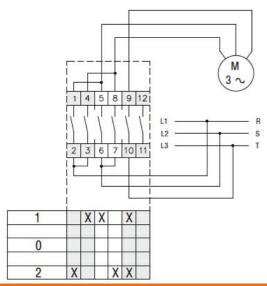
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

#### **Dimensions**



Series	L1			
Series	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

#### Wiring diagrams



## Certifications and compliance

## Compliance

CSA	C22.2	n°	14
IEC/E	NI/DC	60	047

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

## Certificates

EAC

UL

#### ETIM classification



## 7GN2011O48

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ETIM 8.0

EC001029 -Selector switch, complete