

ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam switches
Product type designation General characteristics			7GN20
			97 - Ammeter
Switching diagram			switch
N° of elements			5
			O48 - Modular
Mounting form			service cover for 35mm din rail
Woulding form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEO/EN		0.0
	IEC/EN	A	20
Dated energtional voltage	UL/CSA	A V	20 480
Rated operational voltage		kV	4
Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG)		KV	4
Maximum ruse size for short-circuit protection in (go)	10kA	Α	20
	15kA	A	16
	25kA	A	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
Peter Lever Construction A.O.	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3	000/000 V	1000	0.0
Cingle phase rie s	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			
	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	Α	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			

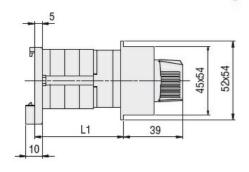


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min	°C	-40
max	°C	+70

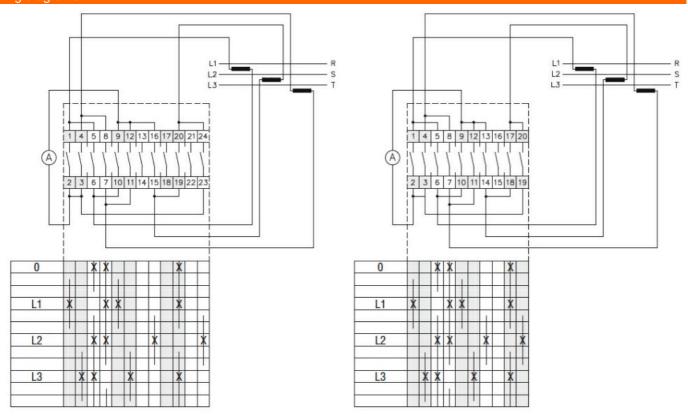
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	L1			
	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/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1



ENERGY AND AUTOMATION

7GN2097O48

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		FC001029 -

ETIM 8.0

EC001029 -Selector switch, complete