

7GN2084O48 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 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
			84 - Multi-step 1-
Switching diagram			2-3-4-5 1 pole
N° of elements			3
			O48 - Modular
Mounting form			service cover for 35mm din rail
			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Rated impulse withstand voltage Uimp	UL/CSA	V kV	600 6
Conventional free air thermal current Ith		ΝV	0
	IEC/EN	А	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	20
	15kA	Α	16
	25kA	A	16
Rated short time current Icw	10	^	250
Conductivity	1s	A	10/5 mA/V
Operational current le IEC/EN			10/3 11/4/
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	A	6
	660/690V	A	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			
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A		1.1.47	-
	220/230V	kW	5
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	300/0307	N V V	1.0
	110V	kW	0.8
	220/230V	kW	2.5

7GN2084O48



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7GN2084O48

		380/440V	kW	3.7
Rated operational current				
	DC21A			
		48V	A	20
		60V	А	20
		110V	A	4
		220V	А	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Max	/0	12
	AWO - Tiexible cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIDA	700	14
	Conductor size (IEC) - Plexible cable	min	mm²	0.5
	Conductor size (IEC) Divid coble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
Mashaniaalifa		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct				
	for three-phase motor	1001		4 5
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
	<u> </u>	600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55

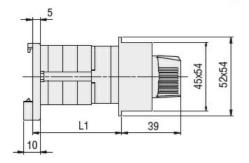
7GN2084O48

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



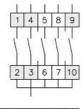
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Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				



Series —	L1			
	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



1	X				
2			Х		
3					χ
4		Х			
5				Х	

Certifications and compliance

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		
		EC001029 -
ETIM 8.0		Selector switch,

complete

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		0.0	