

**7GN2085O48** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5-6, 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			7GN20
General characteristics			
Switching diagram			85 - Multi-step 1- 2-3-4-6 1 pole
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail 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	IEC/EN	٨	20
	UL/CSA	A A	20 20
Rated operational voltage	01/03A	X	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
······································	10kA	А	20
	15kA	А	16
	25kA	А	16
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		٨	00
AC15		A	20
AC15	110V	А	10
	220/230V	A	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	44017	1.1.1.1	0.0
	110V 220/230V	kW kW	0.8 2.2
	380/440V	kw	3
Three-phase AC23A	500/440 V	1X V V	0
	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

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		380/440V	kW	3.7
Rated operational cur				
	DC21A	48V	А	20
		48 V 60 V	A	20
		110V	A	4
		220V	A	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	А	8 (4)
	DC13			
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
Den en l'entre d'en		440V	A	0.15
Power dissipation			W	0.8
Mechanical features Terminals screw				M3
	torminals may		Nm	0.5
Tightening torque for Conductor size			INITI	0.5
	AWG - Rigid cable			
	AWG - Nigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	THOM:	/	1-
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable		-	
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10⁰
UL technical data				
Motor power for direc				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
	for simple share motor	600V	HP	10
	for single-phase motor	1001		0.75
		120V	HP	0.75
A mala i a mata a maditi a ma		240V	HP	2
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		°C	25
		min	۰ د	-25

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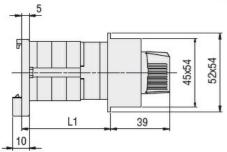
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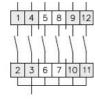
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Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				



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	Х					
2			X			
3					Х	
4		Х				
5				Х		Γ
6						X

## 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