

**7GN20136O48** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 3 POLES 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
			136 - Multi-step
Switching diagram			0-1-2-3 3 poles
N° of elements			5
			O48 - Modular service cover for
Mounting form			35mm din rail
			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui		.,	
	IEC/EN UL/CSA	V	690 600
Rated impulse withstand voltage Uimp	UL/CSA	V kV	6
Conventional free air thermal current Ith		κv	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	A	16
Rated short time current Icw	25kA	A	16
Rated short time current icw	1s	А	250
Conductivity	13		10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	A	8
	380/400V	A	6
Rated operational power in AC	660/690V	A	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 AC224	380/440V	kW	3
Three-phase AC23A	220/230V	kW	5
	380/440V	kW	5 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	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	Α	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	Α	8 (4)
	DC13	0.417		00
		24V	A	20
		48V 60V	A	16 12
		60V 110V	A A	12 1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	<u> </u>	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	! -	200	0.5
		min Max	mm² mm²	0.5 2.5
Mechanical life		IVIAX	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	5×10
Motor power for direct	t-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			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-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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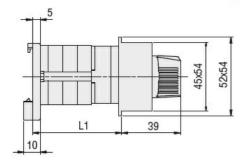
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+55



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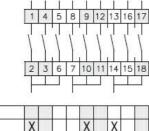
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				

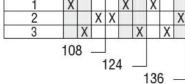


Carias	L1		
Series	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

## Wiring diagrams

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## 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	on	
ETIM 8.0		EC001029 - Selector switch, complete

complete

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