

7GN2098U47 ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Floctuct basignation switches Switching diagram 98 - Ammeter switch Switching diagram 98 - Ammeter switch N° of elements 3 Mounting form U47 - Snap on from mounting with black handle for hole diam. Contact characteristics 22mm flixing Contact characteristics 20 Rated inputs withstand voltage Uimp KV Rated operational voltage KV Rated short time current Icw 10 kA Conductivity 10/5 mA/V Operational current te IEC/EN 220/200V	Product designation				Rotary cam
General heracteristics 98 - Anmeter switching diagram 98 - Anmeter switch N° of elements 3 Mounting form U47 - Shap on from mounting with black handle tor hole diam. 22mm finxing Centact characteristics 247 - Shap on from nounting with black handle tor hole diam. 22mm finxing Rated insulation voltage Ui IEC/EN V 690 Quit/CSA X 20 600 Rated insulation voltage Uimp KV 6 6 Conventional free air thermal current Ith IEC/EN X 20 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10KA A 20 15KA A 16 16 16 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10KA A 20 Conductivity 10 / 5 mA/V 0 220/230V A 8 AC15 110V A 10 220/230V A 6 660/690V <td>-</td> <td></td> <td></td> <td></td> <td></td>	-				
Switching diagram 98 - Ammeter switch N* of elements 3 Mounting form U47 - Snap on truth anounting with black handle for hole diam. 22mm finxing Contact characteristics 22mm finxing Rated insulation voltage Ui IEC/EN V 690 Conventional free air thermal current Ith IEC/EN V 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage KV 6 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage KV 4 4 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Conductivity 105 mA/V 0 16 16 Rated short time current lew I KA 20 20/230V A 8 AC16 110V A 10 22/230V A 8 AC16 110V A 10					7GN20
Switching diagram switch N° of elements 3 Mounting form U47 - Shap on from mounting with black handle for hole diam. 22mm finxing Contact characteristics 22mm finxing Rated insulation voltage UI IEC/EN V 690 Contact characteristics V 600 20 Rated insulation voltage UImp KV 6 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage V 480 480 Rated operational voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10KA A 20 Maximum fuse size for short-circuit protection In (gG) 10KA A 20 Conductivity 10/5 mA/V 0 10/5 mA/V Operational current I le/C/EN A 20 20/t3/0V AC15 110V A 10 220/23/0V AC15 110V A 10 220/23/0V 8 380/400V A 6		S			98 - Ammeter
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Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage V 480 A 20 Rated operational impulse voltage KV 4 A A Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 16 Conductivity 10kA A 20 10kA A 20 Conductivity 10kA A 20 15kA A 16 Rated short time current Icw 1s kA 250 250 20/td> 20/230V A 10 Qperational current Ie IEC/EN A 20 AC15 10V A 10 220/230V A 8 380/40V A 6 660/690V A 5.5 500/690V KW 5.5 500/690V KW 5.5 500/690V	Mounting form				fron mounting with black handle for hole diam.
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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 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			220/230V	kW	3
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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					
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500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5					
Single-phase AC23A 110V kW 0.8 220/230V kW 2.5					
110V kW 0.8 220/230V kW 2.5		Single-phase AC23A	300/0307	N V V	1.0
220/230V kW 2.5			110V	kW	0.8

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Rated operational current in DC

Raled operational curr				
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	
	D 040	2201		8 (4)
	DC13	0.014		
		24V	A	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			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAA		2.5
	Conductor Size (IEC) - Rigiu Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct				
	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
		max	°C	+55

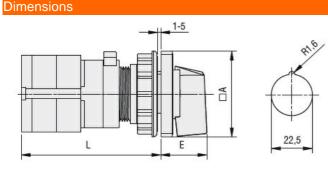
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

Storage temperature



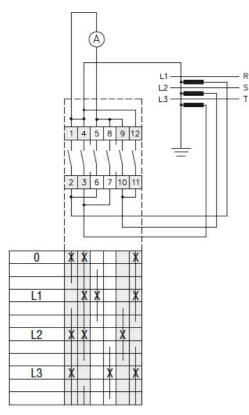
7GN2098U47 ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

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



Cariaa	Dimensions		L			
Series	□A	E	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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		
UL60947-4-1		

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ENERGY AND AUTOMATION

7GN2098U47 ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001020 -

ETIM 8.0

EC001029 -Selector switch, complete