

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product type designation	Product designation			Rotary cam
Switching diagram 108 - Multi-step	Product type designation			
Note 1985				. 0.120
Mounting form Service cover for Service for	Switching diagram			
Mounting form Service cover for a strong with black handle black h	N° of elements			2
Rated insulation voltage Uimp	Mounting form			service cover for 35mm din rail mounting with
Rated impulse withstand voltage Uimp	Contact characteristics			
Rated impulse withstand voltage Uimp	Rated insulation voltage Ui			
Conventional free air thermal current Ith				
IEC/EN A 20	<u> </u>		kV	6
Rated operational voltage	Conventional free air thermal current Ith			_
Rated operational voltage				
Rated operational impulse voltage	Data have all allows	UL/CSA		
Maximum fuse size for short-circuit protection In (gG) 10kA				
10kA			KV	4
15kA A 16 25kA A 25 25 25 25 25 25 25	Maximum ruse size for short-circuit protection in (gG)	10kA	۸	20
Rated short time current Icw 1s				
Rated short time current low				
Three-phase AC-3 Three-phase AC-3 Three-phase AC23A Three-	Rated short time current lcw			
A		1s	kA	250
AC1/AC21A AC15 T10V A 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 T10V kW 0.8 220/230V kW 3 T10V kW 0.8 220/230V kW 3 Three-phase AC-3 220/230V kW 5.5 Single-phase AC-3 T10V kW 0.8 220/230V kW 3 Three-phase AC23A 220/230V kW 5 Single-phase AC23A Three-phase AC23A	Conductivity			10/5 mA/V
AC15 AC15 110V A 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 110V kW 0.8 220/230V kW 3 110V kW 0.8 220/230V kW 3 Three-phase AC23A Three-phase AC23A 220/230V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A	Operational current le IEC/EN			
AC15 110V A 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 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 7.5 500/690V 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 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5	AC1/AC21A			
110V			Α	20
Rated operational power in AC Three-phase AC-3	AC15		_	
Single-phase AC23A Single-				
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 220/230V kW 5.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A				
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 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A				
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 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 5 220/230V kW 5 220/230V kW 7.5 500/690V kW 7.5	Rated operational power in AC	000/090 V		1.5
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 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 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 0.8 220/230V kW 2.5		220/230V	kW	3
Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 3 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		500/690V	kW	
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	Single-phase AC-3			
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				
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 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5	Thursday A 200A	380/440V	kW	3
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5	Inree-phase AC23A	220/2201/	[21.0.7	E
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	300/0 3 0 v	17.4.4	1.0
220/230V kW 2.5	Chigle phase //020//	110V	kW	0.8

ENERGY AND AUTOMATION

7GN20108O48

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Rated operational cur	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)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	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			
	•	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			
	(, ,	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
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
		max	°C	+55
	Storage temperature			
	<u> </u>			



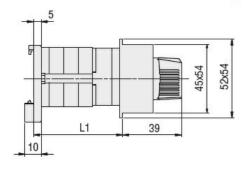
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min	°C	-40
max	°C	+70

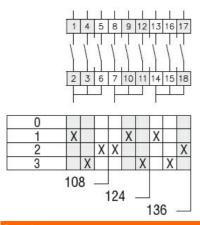
	 -	
Resistance & Protection		
Frontal IP degree		IP40
Terminals IP degree		IP00

Dimensions



Carrian	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



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