



7GN25107U47

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 1 POLE 25A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product type designation 70 70 70 70 70 70 70 7	Product designation			Rotary cam
Switching diagram	Product type designation			
Note 1997 1998				
Mounting form Mounting for hole diam. Mounting for hole	Switching diagram			
Mounting form Section Section	N° of elements			1
Rated insulation voltage Uin				fron mounting with black handle for hole diam.
Rated impulse withstand voltage Uimp				
Rated impulse withstand voltage Ulimp	Rated insulation voltage Ui	IEO/EN		000
Rated impulse withstand voltage Ulimp Rated impulse withstand voltage Ulimp IEC/EN				
Conventional free air thermal current Ith	Rated impulse withstand voltage Uimp	02/00/1		
IEC/EN			***	
Rated operational voltage		IEC/EN	Α	25
Rated operational impulse voltage KV 4		UL/CSA		30
Maximum fuse size for short-circuit protection In (gG) 10kA A 25 15kA A 25 25kA A 25 Rated short time current lcw 1s kA 400 Conductivity 0perational current le IEC/EN AC1/AC21A AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 Rated operational power in AC Three-phase AC-3 Single-phase AC-3 110V kW 7.5 500/690V kW 7.5 500/690V kW 5.5 380/440V kW 5.5 380/440V kW 5.5 500/690V kW 5.5 380/440V kW 5.5 500/690V kW 5.5 500/690V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC-3A 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 110V kW 1.5 220/230V kW 1.5 380/440V kW 1.5				
10kA A 25 15kA A 25 25kA A 2			kV	4
Table Tabl	Maximum fuse size for short-circuit protection In (gG)	401.4		
Rated short time current Icw				
Rated short time current low				
Three-phase AC-3 Three-phase AC-3 Three-phase AC23A Three-	Rated short time current low	ZJKA		23
Conductivity	Nated short time current low	1s	kA	400
A	Conductivity			
AC15 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 Three-phase AC-3 110V kW 7.5 500/690V kW 7.5 220/230V kW 3 380/440V kW 7.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC-3 110V kW 1.5 220/230V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 5.5 Three-phase AC23A 110V kW 1.5 500/690V kW 11 Single-phase AC23A	·			
AC15 110V	·			
110V			Α	25
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 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 5.5 Single-phase AC23A 110V kW 11 500/690V kW 11 Single-phase AC23A				
Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 11 500/690V kW 11 Single-phase AC23A				
Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3 380/440V kW 11 500/690V kW 11	Pated aparational power in AC	660/690V	A	
220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3 380/440V kW 11 500/690V kW 11	, ,			
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7	oo pilaoo no o	220/230V	kW	5.5
Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5				
110V kW 1.5 220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7			kW	
220/230V kW 3 380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7	Single-phase AC-3			
380/440V kW 5.5 Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7				
Three-phase AC23A 220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7				
220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7	Three whose ACOOA	380/440V	KVV	5.5
380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7	Inree-phase AC23A	220/2201/	F/V /	6.5
500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7				
Single-phase AC23A 110V kW 1.5 220/230V kW 3.7				
110V kW 1.5 220/230V kW 3.7	Single-phase AC23A	333,000 7	,	··-
220/230V kW 3.7	3 - 1	110V	kW	1.5
380/440V kW 5.5				
		380/440V	kW	5.5

ENERGY AND AUTOMATION

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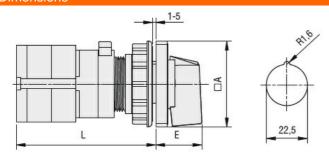
Rated operational cur	rrent in DC			
'	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
	,	24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	-	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct	t-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70



ENERGY AND AUTOMATION

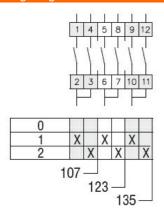
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Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00 Dimensions



Series	Dimensions		L			
	□A	Е	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

Certificates

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete