

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
Product type designation			switches 7GN25
General characteristics			7 31120
Switching diagram			83 - Multi-step 1- 2-3-4 1 pole
N° of elements			2
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			DIACK HAHUIE
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	Α	25
	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	Α	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	A	16
	220/230V	A	12
	380/400V 660/690V	A	8
Rated operational power in AC	000/0907	Α	2
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
There also ACCCA	380/440V	kW	5.5
Three-phase AC23A	220/2201/	[21.6]	6.5
	220/230V 380/440V	kW kW	6.5 11
	380/440V 500/690V	kW kW	11 11
Single-phase AC23A	300/030 V	17. A. A.	11
Ciligio pridoc /1020/1	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5



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Rated operational current 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	
<u> </u>		Max	AWG	10	
AWG -	· Flexible cable				
		min	AWG	20	
<u></u>		Max	AWG	12	
Condu	ctor size (IEC) - Flexible cable				
		min	mm²	0.5	
		Max	mm²	4	
Condu	ctor size (IEC) - Rigid cable				
		min	mm²	0.5	
		Max	mm²	4	
Mechanical life			cycles	5x10 ⁶	
UL technical data					
Motor power for direct-on-line of					
for thre	ee-phase motor				
		120V	HP	3	
		240V	HP	5	
		480V	HP	10	
		600V	HP	15	
for sing	gle-phase motor				
		120V	HP	1.5	
		240V	HP	3	
Ambient conditions				3	
Temperature				3	
Temperature	ting temperature	240V	HP		
Temperature	ing temperature	240V min	HP °C	-25	
Temperature Operat		240V	HP		
Temperature Operat	ting temperature e temperature	240V min max	°C °C	-25 +55	
Temperature Operat		240V min	HP °C	-25	

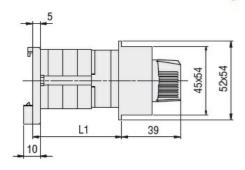


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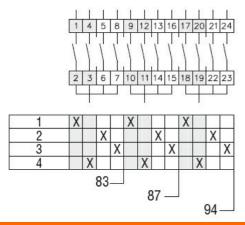
Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

Dimensions



Carina	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