

ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 2 POLES 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			
Switching diagram			86 - Multi-step 1- 2-3 2 poles
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
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	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	5.5
	380/440V	kW	5.5 7.5
	500/690V	kW	7.5
Single-phase AC-3	222,000.		
.	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 11
Single-phase AC23A	500/690V	kW	11
Single-phase ACZSA	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5



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Mechanical features					
ABV	Rated operational cu	urrent in DC			
BOV		DC21A			
110V				Α	
DC23A (poles in series)					
DC23A (poles in series)					
24V			220V	Α	0.7
ABV		DC23A (poles in series)	201		07 (4)
BOUY					
1100					
DC13					
DC13					
24V		DC13	220 V		10 (4)
ABV		D013	24\/	Α	25
Conductor size (IEC) - Flexible cable Max					
110V					
Province 150 1.1					
Power dissipation W 1.1					
Machanical features	Power dissipation			W	
AWG - Rigid cable	Mechanical features				
AWG - Rigid cable Max	Terminals screw				M3.5
AWG - Rigid cable min		r terminals max		Nm	0.8
Max AWG 20 Max AWG 10 AWG Flexible cable	Conductor size				
Max AWG 10 AWG - Flexible cable min AWG 20 Max AWG 12 Max AWG 12 Max AWG 12 Max Mm² 4 Max Max Max Max Max Ma		AWG - Rigid cable			
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 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Mechanical life cycles 5x10° JL technical data Motor power for direct-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 240V HP 3 Ambient conditions Temperature min °C -25 max °C +55 Storage temperature min °C -40					
Max			Max	AWG	10
Max		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max min mm² 0.5 Max mm² 4 Max mm² 4		One division size (IEO). Flavible cable	Max	AWG	12
Max mm² 4 Max mm² 4		Conductor size (IEC) - Flexible cable		· 2	0.5
Conductor size (IEC) - Rigid cable					
Max min mm² 0.5 Max mm² 4 Mechanical life cycles 5x106		Conductor size (IEC) - Pigid cable	IVIAX	111111	4
Mechanical life cycles 5x10° Max mm² 4 Mechanical life cycles 5x10° Motor power for direct-on-line control for three-phase motor		Conductor Size (IEC) - Nigia cable	min	mm²	0.5
Mechanical life cycles 5x106 JL technical data Motor power for direct-on-line control for three-phase motor 120V HP 3 240V HP 5 480V HP 10 600V HP 15 15 120V HP 1.5 240V HP 3 3 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
## Discrete Control Motor power for direct-on-line control 120V	Mechanical life		IVICA		
Motor power for direct-on-line control for three-phase motor 120V				0,0.00	0,710
for three-phase motor 120V		ct-on-line control			
120V	•				
240V		•	120V	HP	3
600V HP 15			240V	HP	
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					
120V			600V	HP	15
240V HP 3 Ambient conditions Temperature		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40			240V	HP	3
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
min °C -25 max °C +55 Storage temperature min °C -40	l emperature				
Storage temperature max °C +55 min °C -40		Operating temperature		2.2	0.5
Storage temperature min °C -40					
min °C -40		01	max	,C	+55
		Storage temperature		°C	40
max C +/0					
			IIIdX	C	+/U

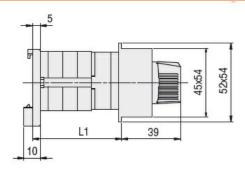


ENERGY AND AUTOMATION

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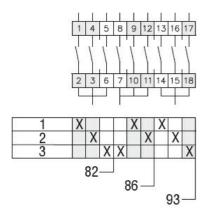
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	L1		
	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