



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 25A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation			switches 7GN25
General characteristics			7 GN25
Switching diagram			83 - Multi-step 1- 2-3-4 1 pole
N° of elements			2
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	OLIOOA	kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	25
	UL/CSA	Α	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
Rated short time current lcw	25kA	A	25
Rated short time current icw	1s	kA	400
Conductivity	13	NA.	10/5 mA/V
Operational current le IEC/EN			10/011114
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	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
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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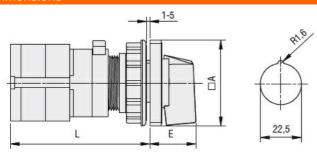
Mechanical features					
ABV	Rated operational cu	urrent in DC			
BOV		DC21A			
110V				Α	
DC23A (poles in series)					
DC23A (poles in series)					
24V			220V	Α	0.7
ABV		DC23A (poles in series)	201		07 (4)
BOUY					
1100					
DC13					
DC13					
24V		DC13	220 V		10 (4)
ABV		D013	24\/	Α	25
Conductor size (IEC) - Flexible cable Max					
110V					
Province 150 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 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 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25					
## 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



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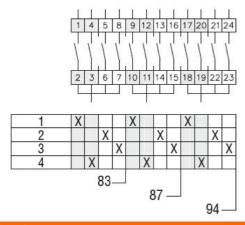
Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

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