



ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 25A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Control critical control con	Product type designation				Rotary cam switches 7GN25
Switching diagram         109 - Multi-step 0-1-2-3-4 1 pole	Product type designation  General characteristics				7GN25
Mounting form   With Disack handle for hole diam.   With Disack					
Mounting form	N° of elements				
Rated insulation voltage Uimp   IEC/EN   V   690   UI/CSA   V   600   Rated impulse withstand voltage Uimp   kV   6   6	Mounting form				fron mounting with black handle for hole diam.
Conventional free air thermal current lth					
Rated impulse withstand voltage Uimp	Rated insulation voltage Ui				
Conventional free air thermal current Ith					
Rated operational voltage		•		kV	6
Rated operational voltage   V   480	Conventional free air thermal co	urrent Ith		_	
Rated operational voltage					
Rated operational impulse voltage	Pated operational voltage		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)		ane			
10kA   A   25   15kA   A   25   25kA   25				ic v	
Table   Tabl		(90)	10kA	Α	25
Rated short time current low			15kA	Α	
Table   Name			25kA	Α	25
Conductivity	Rated short time current Icw				
AC1/AC21A			1s	kA	
AC1/AC21A  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  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 1.5 220/230V kW 1.5 500/690V kW 11 Single-phase AC23A  110V kW 1.5 220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 11  Single-phase AC23A					10/5 mA/V
A 25 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  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  110V kW 1.5 380/440V kW 5.5  Three-phase AC23A  110V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 6.5 380/440V kW 11 500/690V kW 11	•	C24 A			
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  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 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A	AC I/A	GZTA		Α	25
110V A 16   220/230V A 12   380/400V A 8   660/690V A 2   2	AC15				
Single-phase AC23A   Single-			110V	Α	16
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  Three-phase AC23A  220/230V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7			220/230V	Α	
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 1.5 220/230V kW 11  500/690V kW 11			380/400V	Α	
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  110V kW 11 500/690V kW 11  Single-phase AC23A			660/690V	Α	2
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 3 380/440V kW 11	Three-	pnase AC-3	000/0001	14141	E E
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					
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	Single	-phase AC-3		1000	7.0
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	3	•	110V	kW	1.5
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			220/230V	kW	3
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	<u></u>		380/440V	kW	5.5
380/440V kW 11 500/690V kW 11 Single-phase AC23A  110V kW 1.5 220/230V kW 3.7	Three-	phase AC23A			
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	nhasa AC23A	500/690V	KVV	11
220/230V kW 3.7	Single	-priase AUZSA	110\/	k۱۸/	1.5





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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   Max mm² 0.5   Max mm² 4   Max mm² 0.5   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		Conductor size (IEC) - Pigid cable	IVIAX	111111	4
Mechanical life cycles 5x10°    Max mm² 4     Mechanical life cycles 5x10°   JL technical data		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					
## 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



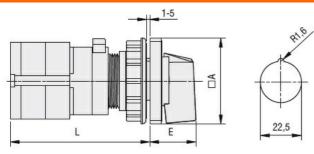


**ENERGY AND AUTOMATION** 

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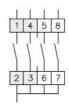
## Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

## **Dimensions**



Series	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



0				
1	X			
2			Χ	
3		X		
4				Χ
		10	9	

## 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