

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 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			06 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics Rated insulation voltage Ui			
Rated Insulation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	<u> </u>	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)	401.4	•	0.5
	10kA 15kA	A A	25 25
	25kA	A	25
Rated short time current Icw	20101	7,	
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	25
AC15	440\/	٨	4.0
	110V 220/230V	A A	16 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
0: 1 1 100	500/690V	kW	7.5
Single-phase AC-3	110\/	I-///	1 5
	110V 220/230V	kW kW	1.5 3
	380/440V	kW	5.5
Three-phase AC23A	200, 110 0	,	
	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A		_	
	110V	kW	1.5
	220/230V 380/440V	kW	3.7 5.5
	300/4407	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         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

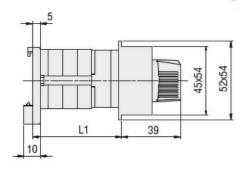


ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REALL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

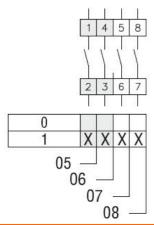
## Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

## **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