

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

Draduat designation				Rotary cam
Product designation				switches
Product type designation General characteristics				7GN25
Switching diagram				93 - Multi-step 1- 2-3 3 poles
N° of elements				5
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstar			kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	Α	25
Data dan anational colta		UL/CSA	A V	30
Rated operational volta			kV	480
	short-circuit protection In (gG)		K V	
Waxiiiiaiii 1aac 3i2c 1oi	Short should protestion in (gG)	10kA	Α	25
		15kA	Α	25
		25kA	Α	25
Rated short time curren	nt Icw	1s	А	400
Conductivity		10		10/5 mA/V
Operational current le	IEC/EN			
•	AC1/AC21A			
			Α	25
	AC15			
		110V	Α	16
		220/230V	Α	12
		380/400V	A	8
Rated operational pow	or in AC	660/690V	Α	2
Nateu operational pow	Three-phase AC-3			
	Three phase AO 5	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
	T	380/440V	kW	5.5
	Three-phase AC23A	200/2201	12///	6.5
		220/230V 380/440V	kW kW	6.5 11
		500/440V 500/690V	kW	11
	Single-phase AC23A	000,000 V	11.4.4	
	- 3 г	110V	kW	1.5
		220/230V	kW	3.7



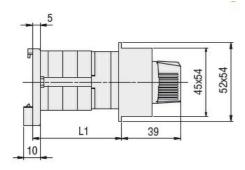
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		380/440V	kW	5.5
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		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 to	erminals max		Nm	0.8
Conductor size	_			
	AWG - Rigid cable			
	, c	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			. •
	7000 Floxible sable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	Wax	71110	•-
	Conductor Sizo (IZO) Trioxible Sable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	TTICAL		•
	Conductor Size (IEC) - Nigita cable	min	mm²	0.5
	Conductor Size (IEC) - Nigid Cable	min Max	mm²	0.5 4
Machanical life	Conductor Size (IEO) - Mgid cable	min Max	mm²	4
Mechanical life	- Trigid cable			
UL technical data			mm²	4
	r-on-line control		mm²	4
UL technical data		Max	mm² cycles	4 5x10 <sup>6</sup>
UL technical data	r-on-line control	Max 120V	mm² cycles	4 5x10 <sup>6</sup>
UL technical data	r-on-line control	120V 240V	mm² cycles  HP HP	3 5
UL technical data	r-on-line control	120V 240V 480V	mm² cycles  HP HP HP	3 5 10
UL technical data	-on-line control for three-phase motor	120V 240V	mm² cycles  HP HP	3 5
UL technical data	r-on-line control	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 15
UL technical data	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 15
UL technical data Motor power for direct	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct	for single-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct	-on-line control for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct	for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3
UL technical data Motor power for direct	-on-line control for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct	for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP C°C	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3
UL technical data Motor power for direct	-on-line control for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3



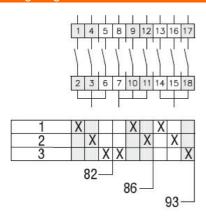
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



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