

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

Duadout designation				Rotary cam
Product designation				switches
Product type designation				7GN25
General characteristics	,			82 - Multi-step 1-
Switching diagram				2-3 1 pole
N° of elements				2
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
Patad impulse withstar	nd voltago Llimp	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith			N V	<u> </u>
Conventional free all ti	oma omonem	IEC/EN	Α	25
		UL/CSA	Α	30
Rated operational volta	nge		V	480
Rated operational impu	ulse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	25
		15kA	A	25
Rated short time curre	ot low	25kA	A	25
Rated Short time curren	it icw	1s	Α	400
Conductivity		13		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
rtated operational pow	Three-phase AC-3			
	Till do pilado 7.0 d	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
	Thurs also A COOA	380/440V	kW	5.5
	Three-phase AC23A	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	230,000	*	
		110V	kW	1.5
		220/230V	kW	3.7



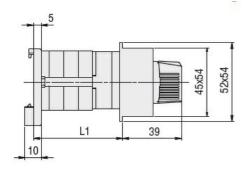
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		380/440V	kW	5.5
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		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



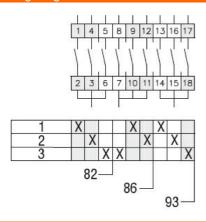
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Carias	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** 

7GN2582O48

EC001029 -Selector switch, complete