

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

Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN25
Switching diagram			86 - Multi-step 1- 2-3 2 poles
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Detections also with stored valters at lines	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional need all thermal current full	IEC/EN	Α	25
	UL/CSA	A	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	Α	25
	25kA	Α	25
Rated short time current Icw	1 -	۸	400
Conductivity	1s	Α	400 10/5 mA/V
Operational current le IEC/EN			10/3 IIIA/ V
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	220/2201/	1.1.0.7	. .
	220/230V 380/440V	kW kW	5.5 7.5
	500/690V	kW	7.5 7.5
Single-phase AC-3	000/0001	1000	7.0
Single prison it o	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
0'11	500/690V	kW	
Single-phase AC23A	440\/	1,111	1 5
	110V 220/230V	kW kW	1.5 3.7
	220/230 V	17 A A	5.7



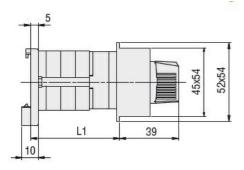
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		380/440V	kW	5.5
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		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 ⁶
UL technical data	r-on-line control	Max 120V	mm² cycles	4 5x10 ⁶
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 ⁶ 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 ⁶ 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 ⁶ 3 5 10 15 1.5 3



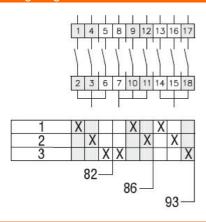
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



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

7GN2586O48

EC001029 -Selector switch, complete