



# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING



Product designation			Rotary cam
•			switches
Product type designation  General characteristics			7GN25
			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
Mounting form			U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics			
Rated insulation voltage Ui	150/5N		000
	IEC/EN	V	690
Rated impulse withstand voltage Uimp	UL/CSA	V kV	600
Conventional free air thermal current Ith		KV	0
Conventional nee all thermal current till	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)			
	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw	4 -	1. 0	400
Conductivity	1s	kA	400 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 MA/V
AC1/AC21A			
AUTAUZTA		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	000/000/		
	220/230V	kW	5.5
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC-3	300/0301	r\ v v	1.0
Olligio pliase AO O	110V	kW	1.5
	220/230V	kW	3





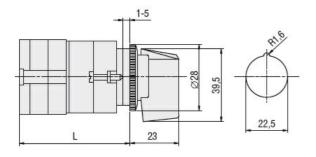
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		380/440V	kW	5.5
	Three-phase AC23A			
		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational co	urrent in DC			
	DC21A			
		48V	Α	25
		60V	A	25
		110V	A	4
		220V	A	0.7
	DCCCA (nolog in corios)	2201	A	0.7
	DC23A (poles in series)	0.41/	^	05 (4)
		24V	A	25 (1)
		48V	A	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	A	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
	r terminale may		Nm	0.8
Tightening torque fo	i terrilias max		1 4111	
Tightening torque fo Conductor size	i terminais max		INIII	
			IVIII	
	AWG - Rigid cable	min		20
		min Max	AWG	20 10
	AWG - Rigid cable	min Max		20 10
		Max	AWG AWG	10
	AWG - Rigid cable	Max min	AWG AWG	20
	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	10
	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	10 20 12
	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	10 20 12 0.5
	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	10 20 12
	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	10 20 12 0.5 4
	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	10 20 12 0.5 4
Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	10 20 12 0.5 4
Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	10 20 12 0.5 4
Conductor size  Mechanical life  UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	10 20 12 0.5 4
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Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ect-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>



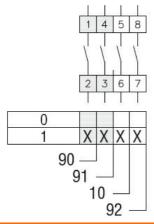
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		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			_
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				



Carina	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

### 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



### 7GN2510U11

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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete