

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE $\emptyset$ 22MM FIXING



				The state of the s
Product designation				Rotary cam
Product type designation	nn			switches 7GN25
General characteristics				701123
				10 - ON/OFF
Switching diagram				switch 3 poles
N° of elements				2
Mounting form				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics				
Rated insulation voltage	e Ui	IEO/EN		000
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstan	d voltage Llimp	UL/CSA	kV	6
Conventional free air the			ΚV	
Conventional need all th	oma odnom m	IEC/EN	Α	25
		UL/CSA	A	30
Rated operational volta	ge		V	480
Rated operational impu	<del>-</del>		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	25
		15kA	Α	25
		25kA	Α	25
Rated short time curren	t Icw	4	•	400
O L (5. 2)		1s	Α	400
Conductivity	EC/EN			10/5 mA/V
Operational current le I	AC1/AC21A			
	ACT/ACZTA		Α	25
	AC15			23
	7.0.10	110V	Α	16
		220/230V	Α	12
		380/400V	Α	8
		660/690V	Α	2
Rated operational power				
	Three-phase AC-3			
		220/230V	kW	5.5
		380/440V	kW	7.5
	Single phase AC 2	500/690V	kW	7.5
	Single-phase AC-3	110V	kW	1.5
		220/230V	kW	3
		220/200 V	1	





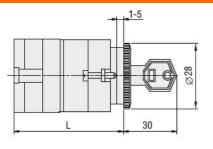
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		380/440V	kW	5.5
	Three-phase AC23A			
		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
	emg.e phaee / tele/ t	110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cu	urrant in DC	300/440 V	IX V V	0.0
Kaleu operational cu				
	DC21A	40)/	Δ.	0.5
		48V	A	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		- , ,	10 (1)
	D013	24V	Α	25
		48V		
			A	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Mechanical features Terminals screw				M3.5
	r terminals max		Nm	M3.5 0.8
Terminals screw	terminals max		Nm	
Terminals screw Tightening torque for			Nm	
Terminals screw Tightening torque for	r terminals max  AWG - Rigid cable	min		0.8
Terminals screw Tightening torque for		min Max	AWG	20
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for		Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
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Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
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Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control	min Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup> 3 5 10 15
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control for three-phase motor	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>



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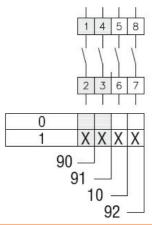
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				





Carrian	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
	/		<u> </u>

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

### Certificates

#### cCSAus

EAC

UL





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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete