

7GN2590U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



			Party and the party of
Product designation			Rotary cam
v			switches
Product type designation			7GN25
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U12 - Front
			mounting without
Mounting form			front plate with
			key operation for hole diam. 22mm
			fixing
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	A	25
	UL/CSA	<u>A</u>	30
Rated operational voltage		V	480
Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG)		kV	4
Maximum ruse size for short-circuit protection in (gG)	10kA	А	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw			
	1s	А	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15		_	
	110V	A	16
	220/230V	A	12
	380/400V 660/690V	A A	8 2
Rated operational power in AC	000/090 v	A	2
Three-phase AC-3			
	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

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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 cu	rrent in DC			
	DC21A			
		48V	А	25
		60V	A	25
		110V		4
			A	
		220V	A	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	Α	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13	2201	73	10 (1)
	Della	24V	۸	2 <i>E</i>
			A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	IVIAA	ANG	10
	AWG - Flexible Cable		A14/0	00
	AWG - Flexible Cable	min	AWG	20
		min Max	AWG AWG	20 12
	Conductor size (IEC) - Flexible cable	Max	AWG	12
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	Max min	AWG	12 0.5
		Max min Max	AWG mm² mm²	12 0.5 4
	Conductor size (IEC) - Flexible cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 4 0.5
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max	AWG mm ² mm ² mm ²	12 0.5 4 0.5 4
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 4 0.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 4 0.5 4
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 4 0.5 4
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	12 0.5 4 0.5 4 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG mm² mm² mm² cycles	12 0.5 4 0.5 4 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V	AWG mm ² mm ² mm ² cycles HP HP	12 0.5 4 0.5 4 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG mm² mm² mm² cycles	12 0.5 4 0.5 4 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V	AWG mm ² mm ² mm ² cycles HP HP	12 0.5 4 0.5 4 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm ² mm ² mm ² cycles HP HP HP	12 0.5 4 0.5 4 5x10 ⁶ 3 5 10
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm ² mm ² mm ² cycles HP HP HP	12 0.5 4 0.5 4 5x10 ⁶ 3 5 10

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IP40

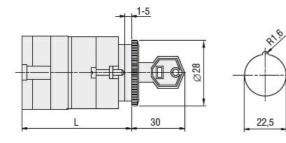
IP00

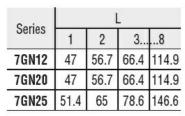
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			

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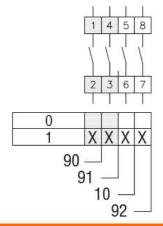
Terminals IP degree

Dimensions





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



ENERGY AND AUTOMATION

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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete