

7GN2590U47 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM



Product docignation			Rotary cam
Product designation			switches
Product type designation			7GN25
General characteristics			
Switching diagram			90 - ON/OFF
N° of elements			switch 1 pole
IN OF Elements			U47 - Snap on
			fron mounting
Mounting form			with black handle
, and the second s			for hole diam.
			22mm finxing
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	۸	25
	UL/CSA	A A	25 30
Rated operational voltage	00/03A	 V	480
Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ιτν	
Maximum ruse size for short should protestion in (ge)	10kA	А	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	А	16
	220/230V	Α	12
	380/400V	A	8
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	220/2201/	L\\\/	E
	220/230V 380/440V	kW kW	5.5 7.5
	500/690V	kW	7.5
Single-phase AC-3	300/0301	IX V V	7.0
	110V	kW	1.5
	220/230V	kW	3
	220,2001		•

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	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	urrent in DC			
	DC21A			
		48V	А	25
		60V	А	25
		110V	А	4
		220V	А	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	A	25 (2)
		48V 60V	A	25 (2) 25 (3)
		110V	A	
				12 (3)
	<u> </u>	220V	A	10 (4)
	DC13	<u></u>		05
		24V	A	25
		48V	A	20
		60V	А	16
		110V	А	1.5
		220V	А	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque fo	r terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	0	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		min Max	AWG AWG	20 12
	Conductor size (IEC) - Elevible cable	min Max	AWG AWG	20 12
	Conductor size (IEC) - Flexible cable	Max	AWG	12
	Conductor size (IEC) - Flexible cable	Max min	AWG	12 0.5
		Max	AWG	12
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max	AWG mm² mm²	12 0.5 4
		Max min Max min	AWG mm ² mm ² mm ²	12 0.5 4 0.5
		Max min Max	AWG mm ² mm ² mm ²	12 0.5 4 0.5 4
Mechanical life		Max min Max min	AWG mm ² mm ² mm ²	12 0.5 4 0.5
UL technical data	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) - 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) - 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) - 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) - Rigid cable	Max min Max min Max 120V 240V	AWG mm² mm² mm² cycles	12 0.5 4 0.5 4 5x10 ⁶
UL technical data	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) - 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) - Rigid cable ect-on-line control for three-phase motor	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) - Rigid cable	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15
UL technical data	Conductor size (IEC) - Rigid cable ect-on-line control for three-phase motor	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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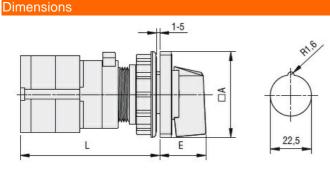


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Ambient conditions

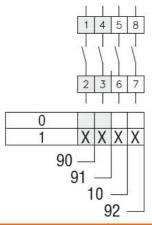
Temperature

Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Cariaa	Dimensions		L			
Series	□A	E	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

Wiring diagrams



Certifications and compliance

Complianc	e
	CSA C22.2 n° 14
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-3
	IEC/EN/BS 60947-5-1
	UL60947-4-1
Certificate	3
	cCSAus
	EAC
	UL
ETIM class	sification
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ETIM 8.0

EC001029 -Selector switch, complete