

**7GN2593U47** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 3 POLES 25A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Draduct designation			Rotary cam
Product designation			switches
Product type designation			7GN25
General characteristics			93 - Multi-step 1-
Switching diagram			2-3 3 poles
N° of elements			5
			U47 - Snap on
			fron mounting
Mounting form			with black handle for hole diam.
			22mm finxing
Contact characteristics			g
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	А	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)			0.5
	10kA	A	25
	15kA 25kA	A A	25 25
Rated short time current Icw	ZJKA	A	25
Rated Short time current icw	1s	kA	400
Conductivity	13	N/1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	25
AC15			
	110V	А	16
	220/230V	А	12
	380/400V	А	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
Cingle phase AC 2	500/690V	kW	7.5
Single-phase AC-3	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A	000/4401		0.0
	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

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	DC21A			
	DCZTA	401/	^	25
		48V	A	25
		60V	Α	25
		110V	A	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	А	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	A	10 (4)
	DC13		_	
		24V	A	25
		48V	A	20
		60V	Α	16
		110V	А	1.5
		220V	А	0.4
Power dissipation			W	1.1
Mechanical features			v V	
				M2 5
Terminals screw				M3.5
Tightening torque for t	erminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	max	/	10
		min		20
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life		Max		5x10 <sup>6</sup>
			cycles	5810
UL technical data				
Motor power for direct				
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor	0007		
	for single-phase motor	40014		1 5
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storogo tomporoturo	Παλ	0	.00
	Storage temperature		• •	10
		min	°C	-40
		max	°C	+70

<sup>7</sup>GN2593U47

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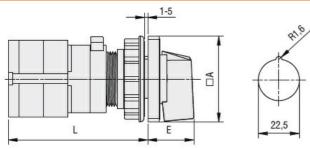
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### Resistance & Protection

Frontal IP degree

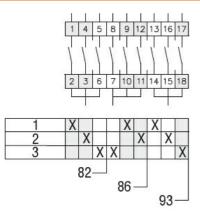
# Terminals IP degree

Dimensions



Cariaa	Dimer	nsions			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

## 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	n	
ETIM 8.0		EC001029 - Selector switch,

complete

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IP40

IP00