

7GN2594O48

Product designation			Rotary cam switches
Product type designation General characteristics			7GN25
Switching diagram			94 - Multi-step 1- 2-3-4 3 poles
N° of elements			6
Mounting form			O48 - Modular service cover for 35mm din rail
			mounting with black handle
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		^	25
	IEC/EN UL/CSA	A A	25 30
Rated operational voltage	UL/CSA	 	480
Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		κv	+
Maximum rade dize for energy protocilon 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	A	16
	220/230V	A	12
	380/400V	A	8
Poted operational power in AC	660/690V	A	2
Rated operational power in AC Three-phase AC-3			
mile-phase Au-s	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
	380/440V	kW	5.5
Three-phase AC23A			
	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A	44017	1-147	4 5
	110V	kW	1.5
	220/230V 380/440V	kW kW	3.7 5.5
	300/44UV	kW	5.5

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Rated operational current in DC

	DC21A			
	DCZTA	48V	۸	9 <i>E</i>
			A	25
		60V	A	25
		110V	A	4
		220V	A	0.7
	DC23A (poles in series)			/.)
		24V	A	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			
		24V	А	25
		48V	А	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 for te	arminals max		Nm	0.8
Conductor size				0.0
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	nin	AWG	20
		min		20
		Max	AWG	10
	AWG - Flexible cable			
		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			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
-	for three-phase motor			
	·	120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions		240 V	1 11	5
Temperature	Operating temperature			
	Operating temperature		• •	05
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



complete

 Resistance & Protection

 Frontal IP degree
 IP40

 Terminals IP degree
 IP00

 ETIM classification
 EC001029

 ETIM 8.0
 Selector switch,

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