

7GN2505U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

				Determinen
Product designation				Rotary cam switches
Product type designation				7GN25
General characteristics				05 - 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	e Ui			000
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstan	d voltage Llimp	UL/CSA	kV	6
Conventional free air th			κν	0
		IEC/EN	А	25
		UL/CSA	A	30
Rated operational volta	ge		V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	А	25
		15kA	A	25
Rated short time currer	at lour	25kA	A	25
Rated Short time curren		1s	kA	400
Conductivity		13		10/5 mA/V
Operational current le l	EC/EN			
·	AC1/AC21A			
			А	25
	AC15			
		110V	A	16
		220/230V	A	12
		380/400V 660/690V	A A	8 2
Rated operational powe	er in AC	000/030 v	~	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 380/440V	kW kW	3 5.5
	Three-phase AC23A	300/4401	N V V	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

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		380/440V	kW	5.5
Rated operational c	current 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	А	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			()
	2010	24V	А	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Dower dissinction		2201	 	1.1
Power dissipation Mechanical features			VV	1.1
	5			M3.5
Terminals screw	ar terminale may		Nine	
Tightening torque fo	or terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable	_		
		min	AWG	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	5x10⁰
UL technical data				
Motor power for dire	ect-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		480V 600V	HP	15
	for single phase motor	000 V	1.115	10
	for single-phase motor	4001/	ЦБ	1 5
		120V	HP	1.5
Ambiopt conditions		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

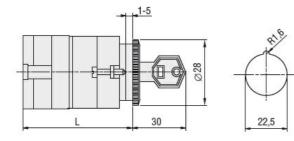
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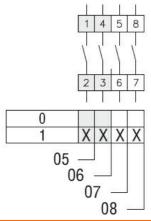
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max°C+70Resistance & ProtectionIP40Frontal IP degreeIP40Terminals IP degreeIP00DimensionsIP00



Cariaa	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	
	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		
ETIM 8.0		EC001029 - Selector switch, complete

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