## 7GN1254U12



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Product designation				Rotary cam switches
Product type designati			7GN12	
General characteristic				
Switching diagram				54 - Changeover switch without 0 1 pole
N° of elements				1
Mounting form				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Rated insulation voltag				
Rated impulse withsta		IEC/EN UL/CSA	V V kV	690 600 6
Conventional free air t			ΓV	0
		IEC/EN UL/CSA	A A	16 15
Rated operational volta	age		V	480
Rated operational imp	-		kV	4
Maximum fuse size for	r short-circuit protection In (gG)	10kA 15kA 25kA	A A A	16 10 10
Rated short time curre	nt Icw	20101	7	
		1s	А	200
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A		А	16
	AC15			
		110V	A	10
		220/230V	A	8
		380/400V 660/690V	A A	4 1.5
Rated operational pow	ver in AC	000/000 1	7	1.0
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3			
		110V	kW	0.8
		220/230V	kW	1.5
	Three phase AC22A	380/440V	kW	2.2
	Three-phase AC23A	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8

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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur	rent in DC			-
	DC21A			
	DCZTA	40\/	۸	10
		48V	A	12
		60V	A	12
		110V	A	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
	(	24V	А	10 (1)
		48V	A	10 (2)
		40V 60V		
			A	10 (3)
		110V	A	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		40V 60V	A	8
		110V	A	1
		220V	А	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				0.0
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	mox	/	
	Conductor Size (IEC) - Flexible cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data			0)0100	0/110
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	50
		600V	HP	40
	for single-phase motor			
		120V	HP	0.5
Analationation		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25

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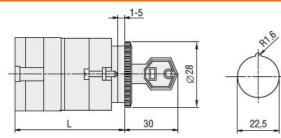
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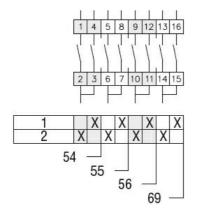
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

Dimensions



Series	L			
	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

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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		
	EAC	
	UL	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete