

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 16A, **electric** FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM

ENERGY AND AUTOMATION FIXING

Product designation Product type designation	on			Rotary cam switches 7GN12
General characteristics				
Switching diagram				69 - Changeover switch without 0 4 poles
N° of elements				4
Mounting form				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics	- 1 l:			
Rated insulation voltage	e OI	IEC/EN UL/CSA	V V	690 600
Rated impulse withstan	d voltage Uimp		kV	6
Conventional free air th	ermal current Ith	IEC/EN UL/CSA	A A	16 15
Rated operational volta	ge		V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	16
		15kA	Α	10
		25kA	Α	10
Rated short time currer	nt Icw	1s	kA	200
Conductivity				10/5 mA/V
Operational current le l	EC/EN AC1/AC21A		۸	16
	AC15		A	10
	7010	110V	Α	10
		220/230V	Α	8
		380/400V	Α	4
		660/690V	Α	1.5
Rated operational power	er in AC			
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3	440)/		2.2
		110V	kW	0.8
		220/230V 380/440V	kW kW	1.5 2.2
	Three-phase AC23A	300/440 V	KVV	2.2
	Tilloo-pilase AO25A	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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Rated operational current in DC			220/2201/	13/4/	4 7
Rated operational current in DC DC21A			220/230V 380/440V	kW kW	1.7
DC21A	Rated operational curr	rent in DC	300/440 V	IX V V	3
Marchanical fedures	rated operational our				
1100			48V	Α	12
Power dissipation			60V	Α	12
DC23A (poles in series)			110V	Α	4
DC23A (poles in series)			220V	Α	0.6
A			440V	Α	0.25
ABW		DC23A (poles in series)			
Potential Research				Α	
110V					
DC13					
DC13					
Rechange Rechange			220V	A	5 (4)
ABV		DC13			
Power dissipation					
110V					
Power dissipation					
Power dissipation W 0.8					
Power dissipation W 0.8					
Max			440V		
Terminals screw				W	0.8
Tightening torque for terminals max					MO
AWG - Rigid cable				Nina	
AWG - Rigid cable min AWG 20 Max AWG 12 AWG - Flexible cable min AWG 20 Max AWG 12 AWG - Flexible cable min Max AWG 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5 Mechanical life Utechnical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1.5 240V HP 1.5		erminais max		INM	0.5
Max AWG 20 Max AWG 12	Conductor size	AVAC Digid coble			
Max AWG 12 AWG - Flexible cable		AVVG - Rigid cable	min	A1A/C	20
AWG - Flexible cable min Max AWG 20 Max AWG 14					
Max AWG 20 Max AWG 14		AWC Florible cable	IVIAX	AVVG	12
Max		AVVG - Flexible Cable	min	۸۱۸/۵	20
Conductor size (IEC) - Flexible cable					
Max min mm² 0.5 Max mm² 2.5		Conductor size (IEC) - Flexible cable	IVIAX	AVVO	17
Max mm² 2.5		Conductor Size (IEO) Trickible Gable	min	mm²	0.5
Conductor size (IEC) - Rigid cable					
Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature Operating temperature min °C -25 max °C +55		Conductor size (IEC) - Rigid cable	····		
Mechanical life cycles 3x10 ⁶ UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature Operating temperature min °C -25 max °C +55		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	min	mm²	0.5
Mechanical life cycles 3x10 ⁶ UL technical data Motor power for direct-on-line control 120V HP 1.5 for three-phase motor 120V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature Operating temperature min °C -25 max °C +55					
Motor power for direct-on-line control	Mechanical life				
Motor power for direct-on-line control for three-phase motor 120V					
120V		-on-line control			
240V HP 3		for three-phase motor			
for single-phase motor 120V			120V	HP	1.5
120V			240V	HP	3
Ambient conditions 240V HP 1		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25 max °C +55			120V	HP	0.5
Temperature Operating temperature min °C -25 max °C +55			240V	HP	1
Operating temperature min °C -25 max °C +55					
min °C -25 max °C +55	Temperature				
max °C +55		Operating temperature			
			min		
Storage temperature			max	°C	+55
		Storage temperature			

FIXING



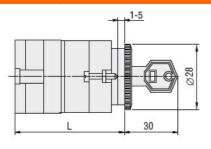
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min	°C	-40
max	°C	+70

	max	•	
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

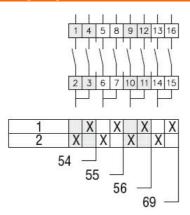
Dimensions





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

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