## 7GN1203U12



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			03 - ON/OFF spring return switch 3 poles
N° of elements			2
Mounting form			U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics			
Rated insulation voltage Ui IEC/I UL/C		V V	690 600
Rated impulse withstand voltage Uimp		v X	6
Conventional free air thermal current Ith	ĸ	v	0
IEC/UL/C		A A	16 15
Rated operational voltage		V	480
Rated operational impulse voltage	k	V	4
Maximum fuse size for short-circuit protection In (gG)			
		A	16
		A	10
25	kA /	A	10
Rated short time current Icw	1	٨	000
Conductivity	1s /	A	200 10/5 mA/V
Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A			
		A	16
AC15			
		A	10
220/23		A	8
380/40		A	4
660/69	UV /	A	1.5
Rated operational power in AC Three-phase AC-3			
220/23	0V k'	W	2.5
380/44		W	4
500/69		W	5.5
Single-phase AC-3		W	0.8

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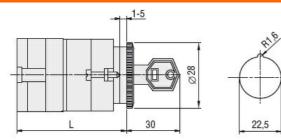
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A			
	·	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	000/0001		1.0
	Single-phase A023A	110V	kW	0.8
		220/230V		
			kW	1.7
		380/440V	kW	3
Rated operational curr				
	DC21A			
		48V	A	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	А	0.25
	DC23A (poles in series)			
	·	24V	А	10 (1)
		48V	А	10 (2)
		60V	А	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13	220 V	Λ	J (+)
	Delis	24V	А	12
		48V	A	10
		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 te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	I VIAA		
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) Digid coble	IVIDA	111111	2.0
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data				
Motor power for direct				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			



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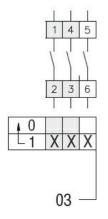
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Prote	ction			
Frontal IP degree				IP40
Terminals IP degre	e			IP00
DI I				

### 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

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ETIM classification

UL

ETIM 8.0

EC001029 -Selector switch, complete