

# **7GN2092U12** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



			A BANK
Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			92 - ON/OFF switch 4 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/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	А	20
	15kA	A	16
	25kA	A	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A A	6 1.5
Rated operational power in AC	000/030 v	~	1.5
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2

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	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	5
	380/440V	kW	7.5
	E00/600\/	14147	7 5

		300/440 V	ĸvv	7.5
		500/690V	kW	7.5
	Single phase AC22A	000/0001		1.0
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational c	urrent in DC			
	DC21A			
		48V	A	20
		60V	А	20
		110V	А	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V		
			A	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V		
			A	12
		110V	A	1
		220V	A	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features	2			
Terminals screw				M3
Tightening torque for	or terminals 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			
		min	ma ma 2	0 5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	-	min	mm²	0.5
		Max	mm²	2.5
Machanical life		IVICA		
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire	ect-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		0001/		10

<sup>7</sup>GN2092U12

600V

ΗP

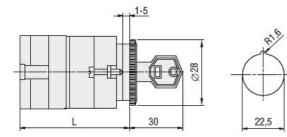
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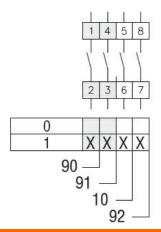
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00

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

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	EAC	
	UL	
ETIM classification		
ETIM 8.0		EC001105 - Off- load switch

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