



Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			101120
Switching diagram			90 - ON/OFF
			switch 1 pole
N° of elements			1
			U11 - Front mounting with
			black handle
Mounting form			without front plate
			for hole diam.
			22mm fixing
Contact characteristics			
Rated insulation voltage Ui		. /	
	IEC/EN	V	690
Deted impulse with step doubte as I line	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		KV	6
	IEC/EN	۸	20
	UL/CSA	A A	20
Rated operational voltage	00/00/	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			•
······································	10kA	А	20
	15kA	А	16
	25kA	А	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	20
AC15			
	110V	A	10
	220/230V	A	8
	380/400V	A	6
Rated operational power in AC	660/690V	A	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
2	220/230V	kW	2.2

7GN2090U11

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



7GN2090U11 electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cu	Irrent in DC	000,1101		0.11
rated operational ea	DC21A			
	0021A	48V	А	20
		48 V 60 V		
			A	20
		110V	A	4
		220V	Α	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13	-		- ( )
		24V	А	20
		48V	A	16
		40V 60V	A	12
		110V		
			A	1
		220V	A	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				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	Max	/	
	CONDUCTOR SIZE (ILC) - I TEXIDIE CADIE	min	mm²	0.5
		min		
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	<u>.</u>	•	<u>.</u>
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire	ct-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
		0000	1 H <sup>*</sup>	10

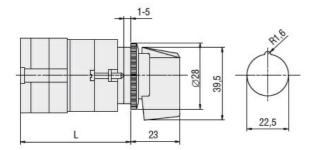
7GN2090U11



**7GN2090U11** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

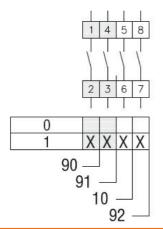
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ction			
Frontal IP degree				IP40
Terminals IP degree	)			IP00

Dimensions



Corioo	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

7GN2090U11

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ENERGY AND AUTOMATION

ETIM classifica

**ETIM 8.0** 

## **7GN2090U11** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

	cCSAus		
	EAC		
	UL		
tion			
		EC001105	<b>O</b> #

EC001105 - Offload switch