## 7GN2010088



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 65X65MM



Product designation			Rotary cam
			switches
Product type designation			7GN20
General characteristics			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
			088 - Rear
			mounting with
			red/yellow handle
Mounting form			padlockable in 0, door coupling
			and protection
			covers
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		•	00
	IEC/EN UL/CSA	A A	20 20
Rated operational voltage	01/03/	 V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		ιτν	Т
	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			
1015		A	20
AC15	110V	۸	10
	220/230V	A A	10 8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC			
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

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		000/0001/		
		220/230V	kW	2.2
	There all see A OOOA	380/440V	kW	3
	Three-phase AC23A	000/0001/	1.3.47	-
		220/230V	kW	5
		380/440V	kW	7.5
	Cincle shees ACO2A	500/690V	kW	7.5
	Single-phase AC23A	1101/	1.1.1/	0.0
		110V 220/230V	kW	0.8
		220/230V 380/440V	kW kW	2.5 3.7
Rated operational curre	ant in DC	360/4400	ĸvv	3.7
	DC21A			
	DOZIA	48V	А	20
		48V 60V	A	20
		110V	A	4
		220V	A	4 0.6
		440V	A	0.25
	DC23A (poles in series)	++0 V	А	0.20
		24V	А	20 (1)
		48V	A	20 (1) 20 (2)
		48V 60V	A	20 (2)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13	220 V	Α	0 (+)
	6013	24V	А	20
		48V	A	16
		40V 60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1101	W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	Ğ	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		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			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct-	-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5

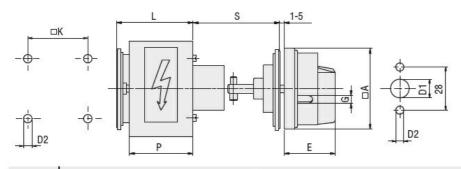
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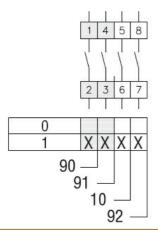
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimonoiono				

Dimensions



Series	Dimensions								
Series	□A	D1	D2	E	G	□K	S	Р	L
7GN12	65	12	5	34.2	5	36	45-55	43	51.3
7GN20	65	12	5	34.2	5	36	45-55	43	51.3
7GN25	65	12	5	34.2	5	36	45-55	51	59.6
7GN32	65	14	5	38	6	48	45-55	55	68.7
7GN40	65	14	5	38	6	48	45-55	55	68.7

## Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n° 14 IEC/EN/BS 60947-1

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ENERGY AND AUTOMATION

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	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificat	ion	
ETIM 8.0		EC001105 - Off-

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load switch