## 7GN2090U65



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



Product designation			Rotary cam
-			switches
Product type designation General characteristics			7GN20
			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U65 - Front
			mounting with red/yellow handle
Mounting form			padlockable in 0
			and protection
			covers
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/CSA	kV	6
Conventional free air thermal current Ith		ΚV	0
	IEC/EN	А	20
	UL/CSA	А	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	20
	15kA 25kA	A	16 16
Rated short time current Icw	ZOKA	A	10
	1s	kA	250
Conductivity	10	10 (	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15		_	
	110V	A	10
	220/230V 380/400V	A	8 6
	380/400V 660/690V	A A	6 1.5
Rated operational power in AC	000/030 V	A	1.0
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
		500/690V	kW	7.5
	0	300/090V	KVV	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			
·	DC21A			
		48V	А	20
		40V 60V	A	20
		110V	A	4
		220V	A	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	A	0.15
Power dissipation		440 V	 W	0.8
			VV	0.0
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	<b>3 1 1 1</b>	min	AWG	20
		Max	AWG	12
	AWC Elevible cable	IVIAX	ANG	12
	AWG - Flexible cable		A 1 A 1 O	00
		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
Machanical life		IVIAA		
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		100 1		
		600V	HP	10

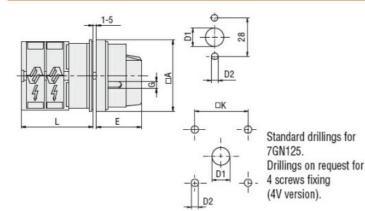
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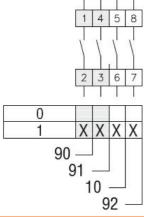
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Prote	ction			
Frontal IP degree				IP40
Terminals IP degree	9			IP00

Dimensions



	Series	Dimensions				L					
	Series	□A	D1	D2	Ε	G	□K	1	2	3	12
	7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
	7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
- 1	7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
	7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
1	7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
	7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
	7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

Wiring diagrams



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2	

## 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	

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ETIM 8.0

EC001029 -Selector switch, complete