7GN2003U11



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			03 - ON/OFF spring return switch 3 poles
N° of elements			2
Mounting form			U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics			
Rated insulation voltage Ui		V	690
UL/CS		V X	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith	ĸ	V	6
IEC/E UL/CS		A A	20 20
Rated operational voltage		V	480
Rated operational impulse voltage	k	۲V	4
Maximum fuse size for short-circuit protection In (gG)			
10k 15k 25k	A /	A A A	20 16 16
Rated short time current Icw			
1	s k	A	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		٨	00
AC15		A	20
110 220/230		A A	10 8
380/400		A A	o 6
660/690		A	1.5
Rated operational power in AC			
Three-phase AC-3			
220/230		W	3
380/440		W	5.5
500/690 Single-phase AC-3	v K	W	5.5
110	V k	W	0.8

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		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A			
	•	220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A	000/0001		1.0
	Single phase A023A	110V	kW	0.8
		220/230V	kW	2.5
		380/440V		3.7
Deted an erotional ever	ant in DC	360/440 V	kW	5.7
Rated operational curre				
	DC21A			
		48V	A	20
		60V	А	20
		110V	А	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	А	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
Dower dissinction		440V	A W	0.15
Power dissipation Mechanical features			VV	0.8
				140
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			
	· · /	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		ivian	cycles	5x10 ⁶
UL technical data			0,0103	
Motor power for direct-	on-line control			
motor power for direct-				
	for three-phase motor	4001/		1 E
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5

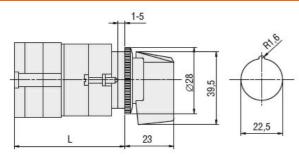
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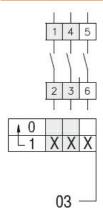
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			
Frontal IP degree				IP40
Terminals IP degree				IP00

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 c	ompliance
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

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ENERGY AND AUTOMATION

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Certificates			
	cCSAus		
	EAC		
	UL		
ETIM classification			
		E0004405	0"

ETIM 8.0

EC001105 - Offload switch