7GN2003U47



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

				Lovato 0 1
Product designation				Rotary cam switches
Product type designation	on			7GN20
General characteristics				
Switching diagram				03 - ON/OFF spring return switch 3 poles
N° of elements				2
Mounting form				U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics				
Rated insulation voltage	e Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstan	d voltage Uimp	01,00,1	kV	6
Conventional free air th				
		IEC/EN UL/CSA	A A	20 20
Rated operational volta	ge		V	480
Rated operational impu	-		kV	4
Maximum fuse size for	short-circuit protection In (gG)	10kA	A	20
		15kA	A	16
Rated short time currer	at low	25kA	A	16
		1s	kA	250 10/5 mA/V
Conductivity Operational current le I	EC/EN			10/5 IIIA/ V
	AC1/AC21A			
			А	20
	AC15			
		110V	А	10
		220/230V	А	8
		380/400V	А	6
		660/690V	A	1.5
Rated operational powe				
	Three-phase AC-3	000/0001/	1.1.1.1	0
		220/230V	kW	3
		380/440V 500/690V	kW kW	5.5 5.5
	Single-phase AC-3	300/0307	N V V	0.0
		110V	kW	0.8
		220/230V	kW	2.2

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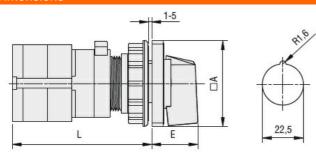
		380/440V	kW	3
	Three-phase AC23A			
	······ [···········	220/230V	kW	5
		380/440V	kW	7.5
	0: 1 1 0000	500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			
·	DC21A			
	002111	48V	А	20
		40V 60V	A	
				20
		110V	А	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	A	20 (3)
		110V		
			A	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	A	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	A	0.4
		440V	A	0.15
Dower dissinction		440 V		
Power dissipation			VV	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	ANC Flowible cable	IVIdX	ANG	14
	AWG - Flexible cable		A14/0	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
Mechanical life		IVIdX		
			cycles	5x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
		0000	1.11	.0



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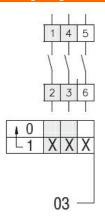
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00

Dimensions



Cariaa	Dimer	nsions	L			
Series	□A	E	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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
A classification	

ETIM 8.0

ETIM

EC001105 - Offload switch