GF2003U12



Product designation

Switching diagram

N° of elements

Mounting form

Product type designation General characteristics

ROTARY CAM SWITCH GF SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Rotary cam switches GF20
03 - ON/OFF spring return switch 3 poles
2
U12 - Front mounting without front plate with

front plate with key operation for hole diam. 22mm fixing

Contact characteristics

Contact characters				
Rated insulation vol	Itage Ui			
		IEC/EN	V	480
		UL/CSA	V	240
Rated impulse with	stand voltage Uimp		kV	4
Conventional free a	ir thermal current Ith			
		IEC/EN	А	20
		UL/CSA	А	15
Rated operational v	voltage		V	480
Rated operational in	mpulse voltage		kV	4
Maximum fuse size	for short-circuit protection In (gG)			
		10kA	А	20
		15kA	А	20
		25kA	А	20
Rated short time cu	Irrent Icw			
		1s	kA	250
Conductivity				10/5 mA/V
Operational current	le IEC/EN			
	AC1/AC21A			
			А	20
	AC15			
		110V	А	10
		220/230V	А	8
		380/400V	Α	6
Rated operational p				
	Three-phase AC-3			
		220/230V	kW	3
		380/440V	kW	5
	Single-phase AC-3			
		110V	kW	0.5
		220/230V	kW	1.5
		380/440V	kW	2

GF2003U12

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	Three-phase AC23A			
	Thee-phase AC23A	220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational curre	ent in DC			
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	A	0.7
		440V	A	0.2
	DC13			0.2
	2010	24V	А	6
		48V	A	6
		40V 60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		101	W	0.8
Mechanical features			vv	0.0
Terminals screw				M3
Tightening torque for te	arminale may		Nm	0.5
Conductor size			INIII	0.5
Conductor size	ANC Bigid coblo			
	AWG - Rigid cable	min	AWG	20
		min		20
	AWG - Flexible cable	Max	AWG	12
	AVVG - Flexible Cable			20
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			٥.F
		min	mm²	0.5
Mashan's still		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor	- · · · ·		0
		240V	HP	3
	for single-phase motor		,	
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			

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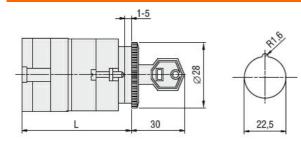
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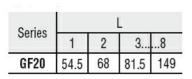


ENERGY AND AUTOMATION

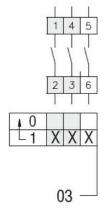
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Frontal IP degree	IP40
Terminals IP degree	IP20
Dimensions	





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		
	cULus	
	EAC	
ETIM classification		
		E0004000

ETIM 8.0

EC001029 -Selector switch, complete

GF2003U12