

## **GF2003U** ROTARY CAM SWITCH GF SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 30X30MM



Draduat designation			Rotary cam
Product designation			switches
Product type designation			GF20
General characteristics			
Switching diagram			03 - ON/OFF spring return
Switching diagram			switch 3 poles
N° of elements			2
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	480
	UL/CSA	V	240
Rated impulse withstand voltage Uimp		kV	4
Conventional free air thermal current Ith			0.0
	IEC/EN	A	20
Detection environmente en	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	1014	۸	20
	10kA	A	20
	15kA 25kA	A A	20 20
Rated short time current Icw	ZJKA	A	20
Rated short time current icw	1s	kA	250
Conductivity	15	NA.	10/5 mA/V
Operational current le IEC/EN			10/3 11/4 4
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	6
Rated operational power in AC			
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
Three-phase AC23A			
	220/230V	kW	4
	380/440V	kW	7.5

GF2003U

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



**GF2003U** ROTARY CAM SWITCH GF SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 30X30MM

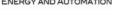
	Single-phase AC23A			o <b>7</b> 5
		110V	kW	0.75
		220/230V	kW	2
Deterlar entire al error	ant in DO	380/440V	kW	2.5
Rated operational curr				
	DC21A	40\/	۸	20
		48V	A	20
		60V 110V	A	20
		220V	A A	4
		220V 440V	A	0.7 0.2
	DC13	440 V	A	0.2
	DC13	24V	۸	6
		24 V 48 V	A A	6 6
		48 V 60 V	A	
		110V	A	3 1
		220V	A	0.4
		220V 440V	A	0.4 0.15
Power dissipation		440 V	 W	0.15
Mechanical features			VV	0.8
Terminals screw				МЗ
			Nim	
Tightening torque for te			Nm	0.5
Conductor size				
	AWG - Rigid cable		A)A/O	20
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable		A \ A/O	00
		min	AWG	20
	Conductor cito (IEC) Elevible coble	Max	AWG	12
	Conductor size (IEC) - Flexible cable		····· 2	0.5
		min	mm²	0.5
	Conductor cito (IEC) Dirid coble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable		····· 2	0.5
		min	mm²	0.5
Mechanical life		Max	mm²	2.5
			cycles	1x10⁵
UL technical data	an line control			
Motor power for direct-				
	for three-phase motor	240V	HP	2
	for single phase motor	240V	٦٢	3
	for single-phase motor	240V	HP	1
Ambient conditions		240V		1
Temperature				
remperature				
	Operating temperature	min	°C	-25
			°C	-25 +55
	Storage temperature	max	U	т Ј Ј
	Storage temperature	min	°C	-40
		min	°C	-40 +70
Resistance & Protection	n	max	U	<b>T</b> /U
				IP40
Frontal IP degree				
Terminals IP degree Dimensions				IP20
Bimensions				

GF2003U

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



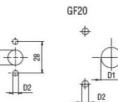
## GF2003U ROTARY CAM SWITCH GF SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 30X30MM



1-5

N

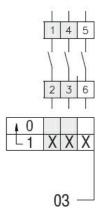
## GF10 10 D2



Drillings for 4 screws fixing (4V version).

Series			2	Dimer	nsions		a		L Number of elements											
Series	□A	C	D	ØD1	ØD2	E	□K	Ν	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	-	Ø5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	39.5	36	12	5	26.5	36	□6	44	57.5	71	84.5	98	111.5	125	138.5	152	165.5	179	192.5

## Wiring diagrams



GF2003U

Certifications and cor	mpliance	
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		
		EC001029 -
ETIM 8.0		Selector switch,

complete

c