

## ROTARY CAM SWITCH GF SERIES, MULTI-STEP 1-2-3, 3 POLES 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			GF20
General characteristics			
Switching diagram			93 - Multi-step 1- 2-3 3 poles
N° of elements			5
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage Uimp	ODOOR	kV	4
Conventional free air thermal current Ith			<u> </u>
	IEC/EN UL/CSA	A A	20 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA	A A	20 20
Rated short time current lcw	25kA	Α	20
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
A 0.4 F		A	20
AC15	110V 220/230V	A A	10 8
Rated operational power in AC	380/400V	Α	6
Three-phase AC-3	220/230V	kW	2
	380/440V	kW	3 5
Single-phase AC-3	300/4401	IVVV	<u> </u>
Single phase / to 0	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
Single-phase AC23A	110V	kW	0.75
	220/230V 380/440V	kW kW	2 2.5

DC21A



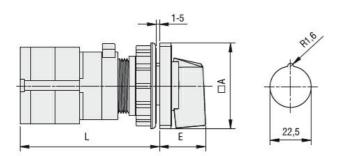


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ABV					
110V			48V	Α	20
Part					
Max   Max					
DC13					
A			440V	A	0.2
ABV		DC13		_	
Conductor size (IEC) - Flexible cable   Max					
110V					
Power dissipation					
Mechanical features					
Power dissipation   W					
Mechanical features	Danna dia dia attau		4407		
Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG & 20           Max         AWG & 12         Max         AWG & 12           AWG - Flexible cable         min         AWG & 20         Max         AWG & 12           Conductor size (IEC) - Flexible cable         min         mm² & 0.5         Max         mm² & 2.5         Max         Max </td <td></td> <td></td> <td></td> <td>VV</td> <td>0.8</td>				VV	0.8
AWG - Rigid cable					MO
AWG - Rigid cable	-	la maio a la ma av		Nina	
AWG - Rigid cable		erminais max		INITI	0.5
AWG - Flexible cable	Conductor size	AMO Birid salda			
AWG - Flexible cable		AWG - Rigid cable		A1A/C	20
AWG - Flexible cable					
Max AWG   12		AMC Florible cable	IVIAX	AWG	12
Max AWG 12   Conductor size (IEC) - Flexible cable   min mm² 0.5   Max mm² 2.5   Max mm² 2.5		AVVG - Flexible cable	min	A1A/C	20
Conductor size (IEC) - Flexible cable					
Max mm²   0.5   Max mm²   2.5		Conductor size (IEC) Flevible coble	IVIAX	AVVG	12
Max   mm²   2.5		Conductor size (IEC) - Flexible cable	min	mama <sup>2</sup>	0 F
Conductor size (IEC) - Rigid cable					
min mm² 0.5 Max mm² 0.5           Mechanical life         cycles         1x10°           UL technical data           Motor power for direct-on-line control for three-phase motor           for single-phase motor         240V HP 3           Ambient conditions           Temperature           Operating temperature         min °C -25 max °C +55           Storage temperature         min °C -40 max °C +70           Resistance & Protection           Frontal IP degree         IP40           Terminals IP degree         IP40           Terminals IP degree         IP20		Conductor size (IEC) Pigid coble	IVIAX	111111	2.5
Mechanical life         cycles         1x10°           UL technical data           Motor power for direct-on-line control for three-phase motor           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           Frontal IP degree         IP40           Terminals IP degree         IP20		Conductor size (IEC) - Rigid Cable	min	mm²	0.5
Mechanical life         cycles         1x10°           UL technical data           Motor power for direct-on-line control           for three-phase motor           240V HP 3           for single-phase motor           240V HP 1           Ambient conditions           Temperature           min °C -25 max °C +55           Storage temperature           min °C -40 max °C +70           Resistance & Protection           Frontal IP degree           Terminals IP degree           IP40           Terminals IP degree           IP20					
UL technical data   Motor power for direct-on-line control   for three-phase motor   240V   HP   3   for single-phase motor   240V   HP   1   Ambient conditions    Temperature   Operating temperature   min	Mechanical life		IVICA		
Motor power for direct-on-line control           for three-phase motor         240V         HP         3           for single-phase motor         240V         HP         1           Ambient conditions           Temperature           Min         °C         -25           max         °C         +55           Storage temperature           min         °C         -40           max         °C         +70           Resistance & Protection           Frontal IP degree         IP40           Terminals IP degree         IP20				Cycles	17.10
for three-phase motor           240V HP 3           for single-phase motor           240V HP 1           Ambient conditions           Temperature           Min °C -25 max °C +25 max °C +55           Storage temperature           Min °C -40 max °C +70           Resistance & Protection           Frontal IP degree         IP40           Terminals IP degree         IP20		t-on-line control			
240V HP 3	wotor power for all col				
Terminals IP degree   IP40   Terminals IP degree   IP40   I   IP40   I   I   I   I   I   I   I   I   I		for three phase motor	240V	HP	3
Ambient conditions		for single-phase motor	2101		
Ambient conditions		Tor oring to pridoo motor	240V	HP	1
Operating temperature	Ambient conditions				
Operating temperature           min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70           Resistance & Protection           Frontal IP degree         IP40           Terminals IP degree         IP20					
min °C -25   max °C +55     Storage temperature   min °C -40   max °C +70     Resistance & Protection	,	Operating temperature			
max °C +55		charamia ambarama	min	°C	-25
Storage temperature  min °C -40 max °C +70  Resistance & Protection  Frontal IP degree  Terminals IP degree  IP40  IP20					
min °C -40   max °C +70		Storage temperature		-	
Resistance & Protection Frontal IP degree Terminals IP degree IP40 IP20			min	°C	-40
Resistance & Protection  Frontal IP degree  IP40  Terminals IP degree  IP20					
Frontal IP degree IP40 Terminals IP degree IP20	Resistance & Protecti	on			
Terminals IP degree IP20					IP40

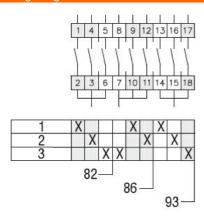
**ENERGY AND AUTOMATION** 

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Series	Dimensions		L			
	□A	Е	1	2	3	8
GF10	30	18.5	60	72	84	144
GF20	48	26.5	56	69.5	83	150.5

## 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

ETIM 8.0

EC001029 -Selector switch, complete