

## ROTARY CAM SWITCH GF SERIES, MULTI-STEP 0-1-2, 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			135 - Multi-step
Switching diagram			0-1-2 3 poles
N° of elements			3
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics Rated insulation voltage Ui			
Nated insulation voitage of	IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage Uimp		kV	4
Conventional free air thermal current Ith	IEC/EN	A	20
Rated operational voltage	UL/CSA	A V	15 480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	•
	10kA 15kA 25kA	A A A	20 20 20
Rated short time current lcw	ZOKA	A	20
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		Α	20
AC15			20
7.6.16	110V 220/230V	A A	10 8
Rated operational power in AC	380/400V	Α	6
Three-phase AC-3	220/230V	kW	3
	380/440V	kW	5
Single-phase AC-3			
	110V	kW	0.5
	220/230V 380/440V	kW kW	1.5 2
Three-phase AC23A	300/4407	KVV	۷
πιου μιασυ πολοπ	220/230V	kW	4
0	380/440V	kW	7.5
Single-phase AC23A	110V	kW	0.75
	220/230V 380/440V	kW kW	2 2.5

DC21A

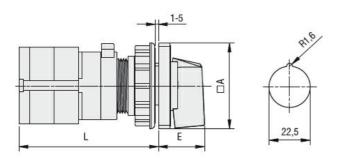


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ABV					
110V			48V	Α	20
Part					
Mechanical life					
DC13					
A			440V	A	0.2
ABV		DC13			
Conductor size (IEC) - Flexible cable   Max					
110V					
Power dissipation					
Mechanical features					
Power dissipation   W					
Mechanical features	Danier dia sin ation		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 2.5         0.5         Max         0.5         0.5         Max         0.5         0.5         0.5         0.5         0.5				VV	0.8
AWG - Rigid cable					Ma
AWG - Rigid cable	-	torminals may		Nlm	
AWG - Rigid cable   min   AWG   20   Max   AWG   12   AWG - Flexible cable   min   AWG   20   Max   AWG   12   AWG - Flexible cable   min   AWG   20   Max   AWG   12   AWG   AWG   12   AWG		erminais max		INITI	0.5
AWG - Flexible cable	Conductor size	AMC Digid poble			
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		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					
Max min mm² 0.5   Max mm² 2.5		Conductor size (IEC) - Digid coble	IVIAX	111111	2.0
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         IP40           Terminals IP degree         IP20					
Wotor power for direct-on-line control	Machanical 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         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 +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

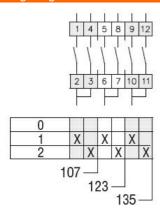


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Series	Dimensions		L			
	□A	Е	1	2	3	8
GF10	30	18.5	60	72	84	144
GF20	48	26.5	56	69.5	83	150.5

## 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