



## ROTARY CAM SWITCH GF SERIES, CHANGEOVER SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

Product designation				Rotary cam switches
Product type designati	on			GF20
General characteristics	5			
Switching diagram				53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements				3
Mounting form				U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics Rated insulation voltage				
		IEC/EN UL/CSA	V V	480 240
Rated impulse withsta			kV	4
Conventional free air the	nermal current Ith	IEC/EN UL/CSA	A A	20 15
Rated operational volta	age		V	480
Rated operational imp			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA 15kA 25kA	A A A	20 20 20
Rated short time curre	nt Icw	1s	kA	250
Conductivity		13	IVA	10/5 mA/V
Operational current le	IEC/EN			
•	AC1/AC21A			
			Α	20
	AC15			
		110V	A	10
		220/230V 380/400V	A A	8 6
Rated operational pow	ver in AC	300/400 V		
raioa oporanoriai pori	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	300/440 V	17.4.4	
	о р	220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A	110V	kW	0.75



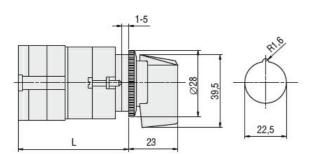


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Age			220/230V	kW	2
DC21A			380/440V	kW	2.5
ABV	Rated operational cur	rent in DC			
Body   A   20   110V   A   4   220V   A   0.7   440V   A   0.2   220V   A   0.7   440V   A   0.2   220V   A   0.7   440V   A   0.2   240V   A   6   60V   A   3   110V   A   1   220V   A   0.4   440V   A   0.15   220V   A   0.15   225V		DC21A			
110V			48V	Α	20
Marchanical life			60V	Α	20
Marchanical life			110V	Α	4
Max   Max			220V	Α	
DC13					
A		DC13			
ABV		2010	24V	Α	6
Section					
110V   A   1   220V   A   0.44   440V   A   0.15   220V   A   0.45   440V   A   0.15   220V   A   0.15   225   2					
Properties   Pro					
Properties   1997   1					
Properties   Section   S					
Max	D P ' C		4407		
Terminals screw				VV	0.8
AWG - Rigid cable					
AWG - Rigid cable					
AWG - Rigid cable    Max		terminals max		Nm	0.5
Max	Conductor size				
AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable    min   AWG   20     Max   AWG   12     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     Conductor size (IEC) - Rigid cable     min   mm²   0.5     Max   mm²   2.5     Mechanical life   cycles   1x106     JL technical data     Motor power for direct-on-line control     for three-phase motor     for single-phase motor     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     IP20			min	AWG	20
Max AWG   20   Max AWG   12			Max	AWG	12
Max AWG   20   Max AWG   12		AWG - Flexible cable			
Max AWG   12			min	AWG	20
Conductor size (IEC) - Flexible cable					
Max mm²		Conductor size (IEC) - Flexible cable			· <del>-</del>
Max   mm²   2.5		Conductor dizo (120) Troxibio dabio	min	mm²	0.5
Conductor size (IEC) - Rigid cable					
Max min mm² 0.5   Max mm² 2.5		Conductor size (IEC) Pigid coble	IVICA	111111	2.0
Max mm² 2.5		Conductor Size (IEC) - Rigid Cable	min	mama <sup>2</sup>	0 F
Mechanical life					
## Motor power for direct-on-line control    for three-phase motor	NA 1 1 1110		IVIAX		
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  Terminals IP degree  IP40  IP20				cycles	1x10°
for three-phase motor    240V   HP   3     for single-phase motor   240V   HP   1     Ambient conditions   Temperature					
240V   HP   3	Motor power for direc				
Terminals IP degree   IP40   I   I   I   I   I   I   I   I   I		for three-phase motor			
Ambient conditions			240V	HP	3
Ambient conditions   Temperature   Operating temperature		for single-phase motor			
Operating temperature			240V	HP	1
Operating temperature           min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70           Resistance & Protection         Frontal IP degree           Frontal IP degree         IP40           Terminals IP degree         IP20	Ambient conditions				
Operating temperature           min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70           Resistance & Protection         Frontal IP degree           Frontal IP degree         IP40           Terminals IP degree         IP20	Temperature				
min °C -25   max °C +55     Storage temperature		Operating temperature			
max °C +55			min	°C	-25
Storage temperature           min         °C         -40           max         °C         +70           Resistance & Protection           Frontal IP degree         IP40           Terminals IP degree         IP20					
min °C -40 max °C +70  Resistance & Protection  Frontal IP degree  IP40  Terminals IP degree  IP20		Storage temperature			
max °C +70  Resistance & Protection  Frontal IP degree  IP40  Terminals IP degree  IP20		- congo tomporataro	min	°C	-40
Resistance & Protection Frontal IP degree IP40 Ferminals IP degree IP20					
Frontal IP degree IP40 Ferminals IP degree IP20	Posistanca & Brotact	ion	IIIdX	U	ŦΙU
Terminals IP degree IP20		IUII			ID40
Dimensions					1P20
	Dimensions				

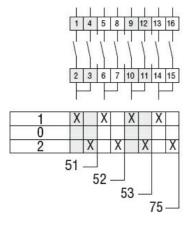


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Carias	L			
Series	1	2	3	8
GF20	54.5	68	81.5	203

## 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