

ROTARY CAM SWITCH GF SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL VOLTAGES 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, **ENERGY AND AUTOMATION** FRONT PLATE 48X48MM

				Determinan
Product designation				Rotary cam switches
Product type designation				GF20
General characteristic				31 20
				68 - Voltmeter
Switching diagram				switch for phase-
NI <sup>o</sup> of alamanta				neutral voltages
N° of elements				2 U47 - Snap on
				fron mounting
Mounting form				with black handle
Ü				for hole diam.
				22mm finxing
Contact characteristic				
Rated insulation voltage	ge Ui			
		IEC/EN	V	480
<del></del>		UL/CSA	V	240
Rated impulse withsta			kV	4
Conventional free air t	nermal current ith	IFO/FN	Α	20
		IEC/EN UL/CSA	A	20 15
Rated operational vol	tago	UL/C5A	A V	480
Rated operational imp			kV	4
	or short-circuit protection In (gG)		ΚV	
Waxiiiiaiii iase size ie	a short circuit protection in (gC)	10kA	Α	20
		15kA	Α	20
		25kA	Α	20
Rated short time curre	ent Icw			
		1s	Α	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	20
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
Rated operational pov				
	Three-phase AC-3	000/0001	1.1.1.1	2
		220/230V	kW	3
	Single-phase AC-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	230,		
		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 cur	rent in DC			

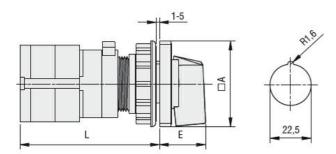


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	DC21A						
	50217	48V	Α	20			
		60V	A	20			
		110V	A	4			
		220V	A	0.7			
		440V	A	0.2			
	DC13	1101	,,	0.2			
	20.0	24V	Α	6			
		48V	Α	6			
		60V	Α	3			
		110V	Α	1			
		220V	Α	0.4			
		440V	A	0.15			
Power dissipation			W	0.8			
Mechanical features				0.0			
Terminals screw				M3			
Tightening torque for te	rminals max		Nm	0.5			
Conductor size	minals max		1 4111	0.0			
Conductor Size	AWG - Rigid cable						
	AWO - Rigid cable	min	AWG	20			
		Max	AWG	12			
	AWG - Flexible cable	IVIAA	AVVO	12			
	AVVG - I lexible cable	min	AWG	20			
		Max	AWG	12			
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	12			
	Colluctor Size (IEC) - Flexible Cable	min	mm²	0.5			
		Max	mm²	2.5			
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.3			
	Conductor size (IEC) - Rigid Cable	min	mm²	0.5			
		Max	mm²	2.5			
Mechanical life		IVIAA	cycles	1x10 <sup>6</sup>			
UL technical data			Cycles	17.10			
Motor power for direct-	on-line control						
Motor power for direct-	for three-phase motor						
	ioi tillee-pilase motol	240V	HP	3			
	for single-phase motor	240 V	1 11	<u> </u>			
	ioi siligie-pilase motoi	240V	HP	1			
Ambient conditions		240 V	1 11	-			
Temperature							
remperature	Operating temperature						
	Operating temperature	min	°C	-25			
			°C	+55			
	Storage temperature	max		ruu			
	otorage temperature	min	°C	-40			
			°C	-40 +70			
Resistance & Protectio	n	max	C	T/U			
Frontal IP degree				IP40			
Terminals IP degree Dimensions				IP20			
Dimensions							

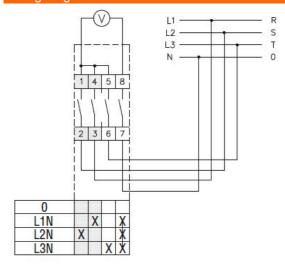
**ENERGY AND AUTOMATION** 

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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