

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

Product designation Product type designation	on			Rotary cam switches GF20
General characteristics				0.1 2.0
Switching diagram				68 - Voltmeter switch for phase- neutral voltages
N° of elements				2
Mounting form				U - Front mounting with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	480
		UL/CSA	V	240
Rated impulse withstar	nd voltage Uimp		kV	4
Conventional free air th	ermal current Ith			
		IEC/EN	Α	20
		UL/CSA	Α	15
Rated operational volta	age		V	480
Rated operational impu	ulse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	20
		15kA	Α	20
		25kA	Α	20
Rated short time curre	nt Icw			
		1s	kA	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 pow	er in AC			
raioa oporanona. pon	Three-phase AC-3			
	Three phase rice o	220/230V	kW	3
		380/440V	kW	5
	Single-phase AC-3	000, 1.01		
	g.o p.1000 / 10 0	110V	kW	0.5
		220/230V	kW	1.5
		380/440V	kW	2
	Three-phase AC23A	000/1101		
	Three phase //oze//	220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A	000/ 440 V	1000	7.0
	Olingio pridoc AOZOA	110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational curre	ent in DC	300/7701	17.4.4	2.0
Raica operational curre	DC21A			
	D021A	48V	Α	20
		7 0 V	, ,	

GF2068U



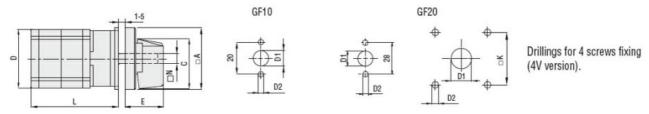
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		60V	۸	20
		110V	A	
			A	4
		220V	A	0.7
	2010	440V	Α	0.2
	DC13		_	
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	, tit G Tilgia cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	7,110	12
	AVVG - I lexible cable	min	AWG	20
	O	Max	AWG	12
	Conductor size (IEC) - Flexible cable		2	0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for dire	ct-on-line control			
	for three-phase motor			
		240V	HP	3
	for single-phase motor			
	5 1	240V	HP	1
Ambient conditions				
Temperature				
- h	Operating temperature			
	Cracing tomporation	min	°C	-25
		max	°C	+55
	Storage temperature	IIIdX		100
	Storage temperature		°C	40
		min		-40 - 70
D	et a	max	°C	+70
Resistance & Protect	tion			.=
Frontal IP degree				IP40
Terminals IP degree				IP20

Dimensions

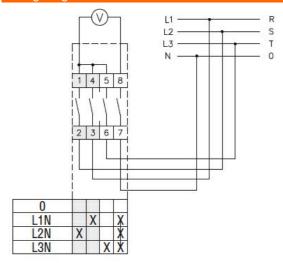
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Corioc	Dimensions						L Number of elements													
Series	□A	С	D	ØD1	ØD2	Е	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	-	Ø5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	39.5	36	12	5	26.5	36	□6	44	57.5	71	84.5	98	111.5	125	138.5	152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

Wiring diagrams



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