

Product designation

Rotary cam
switches

Product type designation

GF10

General characteristics

Switching diagram

66 - Voltmeter
switch for phase-
neutral and
phase-phase
voltages

N° of elements

3

Mounting form

U - Front
mounting with
black handle

Contact characteristics

Rated insulation voltage U_i

IEC/EN	V	480
UL/CSA	V	240

Rated impulse withstand voltage U_{imp}

kV	4
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Conventional free air thermal current I_{th}

IEC/EN	A	10
UL/CSA	A	10

Rated operational voltage

V	480
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Rated operational impulse voltage

kV	4
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Maximum fuse size for short-circuit protection I_n (gG)

10kA	A	16
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Rated short time current I_{cw}

1s	kA	250
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Conductivity

10/5 mA/V

Operational current I_e IEC/EN

AC1/AC21A

A	10
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AC15

110V	A	5
220/230V	A	3
380/400V	A	2

Rated operational power in AC

Three-phase AC-3

220/230V	kW	1.5
380/440V	kW	2.2

Single-phase AC-3

110V	kW	0.3
220/230V	kW	0.55
380/440V	kW	0.75

Three-phase AC23A

220/230V	kW	1.8
380/440V	kW	3

Single-phase AC23A

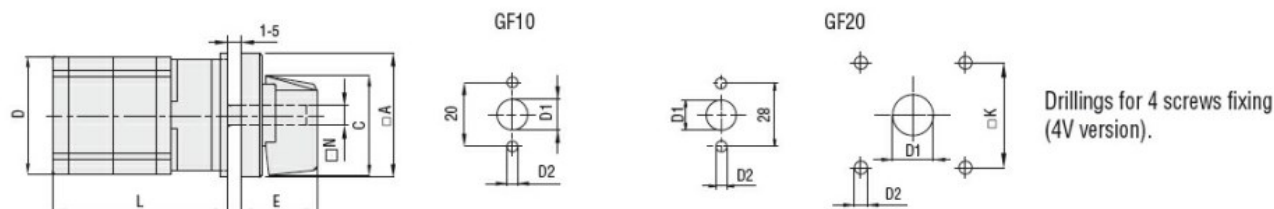
110V	kW	0.7
220/230V	kW	0.75
380/440V	kW	1.1

Rated operational current in DC

DC21A

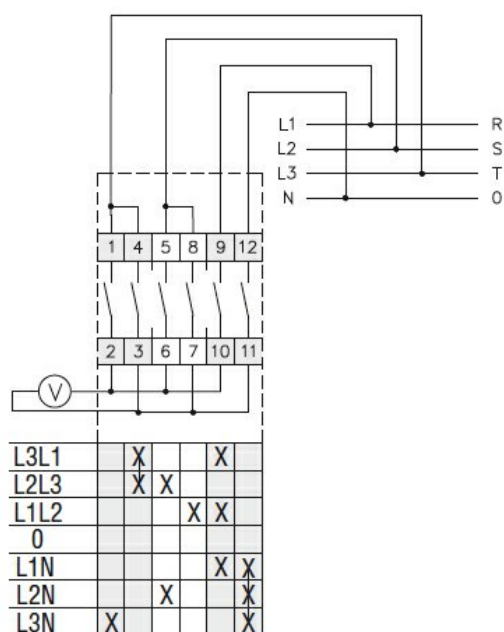
48V	A	10
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		60V	A	7
		110V	A	2
		220V	A	0.7
		440V	A	0.2
DC13				
		24V	A	3
		48V	A	3
		60V	A	2
		110V	A	1
		220V	A	0.3
		440V	A	0.1
Power dissipation			W	0.4
Mechanical features				
Terminals screw				2.5M
Tightening torque for terminals max			Nm	0.4
Conductor size				
AWG - Rigid cable				
		min	AWG	20
		Max	AWG	14
AWG - Flexible cable				
		min	AWG	20
		Max	AWG	14
Conductor size (IEC) - Flexible cable				
		min	mm ²	0.5
		Max	mm ²	1.5
Conductor size (IEC) - Rigid cable				
		min	mm ²	0.5
		Max	mm ²	1.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		240V	HP	2
for single-phase motor				
		240V	HP	0.75
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
Dimensions				



Series	Dimensions								L Number of elements											
	□A	C	D	ØD1	ØD2	E	□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