



Product designation

Rotary cam
switches

Product type designation

GF20

General characteristics

Switching diagram

90 - ON/OFF
switch 1 pole

N° of elements

1

Mounting form

O48 - Modular
service cover for
35mm din rail
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

Conventional free air thermal current I_{th}

IEC/EN	A	20
UL/CSA	A	15

Rated operational voltage

V 480

Rated operational impulse voltage

kV 4

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

10kA	A	20
15kA	A	20
25kA	A	20

Rated short time current I_{cw}

1s kA 250

Conductivity

10/5 mA/V

Operational current I_e IEC/EN

AC1/AC21A

A 20

AC15

110V	A	10
220/230V	A	8
380/400V	A	6

Rated operational power in AC

Three-phase AC-3

220/230V	kW	3
380/440V	kW	5

Single-phase AC-3

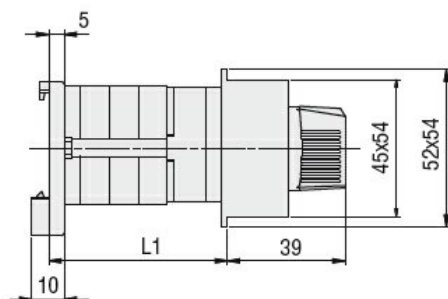
110V	kW	0.5
220/230V	kW	1.5
380/440V	kW	2

Three-phase AC23A

220/230V kW 4

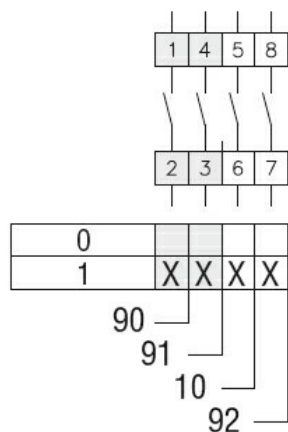
		380/440V	kW	7.5
Single-phase AC23A		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational current in DC				
DC21A		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.7
		440V	A	0.2
DC13		24V	A	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
Conductor size				
AWG - Rigid cable		min	AWG	20
		Max	AWG	12
AWG - Flexible cable		min	AWG	20
		Max	AWG	12
Conductor size (IEC) - Flexible cable		min	mm ²	0.5
		Max	mm ²	2.5
Conductor size (IEC) - Rigid cable		min	mm ²	0.5
		Max	mm ²	2.5
Mechanical life			cycles	1x10 ⁶
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

Dimensions



Series	L1		
	1	2	3
GF20	40	53.5	67

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