



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

U47 - Snap on front mounting with black handle for hole diam. 22mm fixing

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 A 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

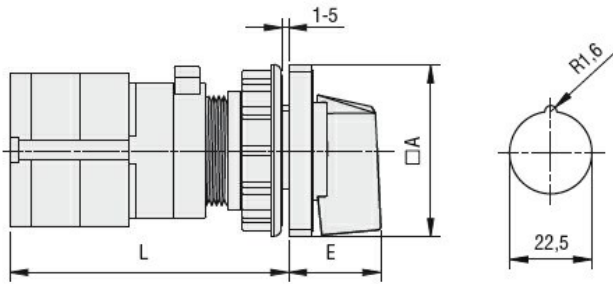
110V	kW	0.5
220/230V	kW	1.5
380/440V	kW	2

Three-phase AC23A

220/230V kW 4

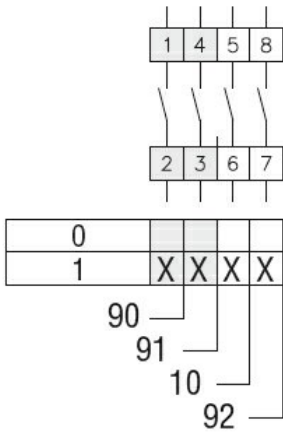
	380/440V	kW	7.5
Single-phase AC23A			
	110V	kW	0.75
	220/230V	kW	2
	380/440V	kW	2.5
Rated operational current in DC			
DC21A			
	48V	A	20
	60V	A	20
	110V	A	4
	220V	A	0.7
	440V	A	0.2
DC13			
	24V	A	6
	48V	A	6
	60V	A	3
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation		W	0.8
Mechanical features			
Terminals 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	Dimensions		L			
	□A	E	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