

Product designation

Rotary cam
switches

Product type designation

GF20

General characteristics

Switching diagram

53 - Changeover
switch 3 poles - 2
speed motor
starting with
separate
windings

N° of elements

3

Mounting form

U11 - Front
mounting with
black handle
without front plate
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	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

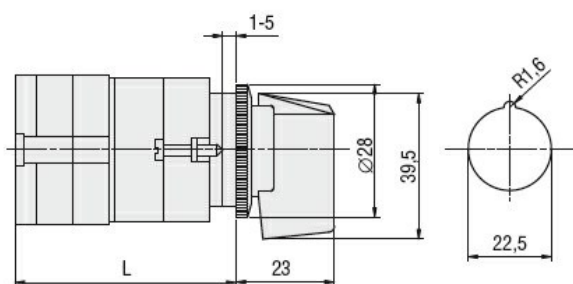
Three-phase AC23A

220/230V	kW	4
380/440V	kW	7.5

Single-phase AC23A

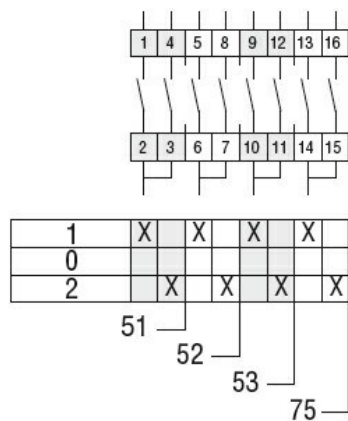
110V	kW	0.75
------	----	------

		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	L			
	1	2	3.....8	
GF20	54.5	68	81.5	203

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

cULys

EAC

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete