



Product designation

Rotary cam
switches

Product type designation

GF20

General characteristics

Switching diagram

91 - ON/OFF
switch 2 poles

N° of elements

1

Mounting form

U25 - Front
mounting with
red/yellow handle
padlockable in 0
and protection
covers

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	20
UL/CSA	A	15

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	20
15kA	A	20
25kA	A	20

Rated short time current I_{cw}

1s	A	250
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Conductivity

10/5 mA/V

Operational current I_e IEC/EN

AC1/AC21A

A	20
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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

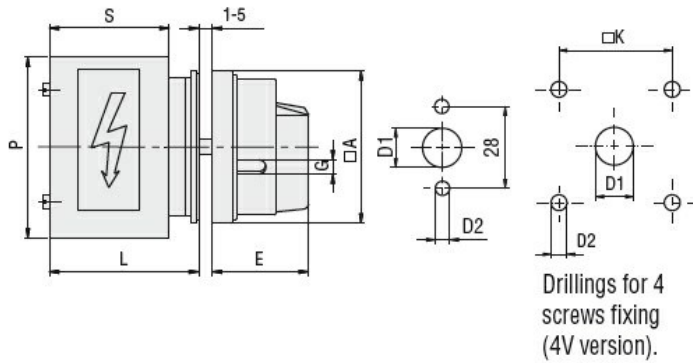
Three-phase AC23A

	220/230V	kW	4
	380/440V	kW	7.5
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Single-phase AC23A			
	110V	kW	0.75
	220/230V	kW	2
	380/440V	kW	2.5
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Rated operational current in DC			
DC21A			
	48V	A	20
	60V	A	20
	110V	A	4
	220V	A	0.7
	440V	A	0.2
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DC13			
	24V	A	6
	48V	A	6
	60V	A	3
	110V	A	1
	220V	A	0.4
	440V	A	0.15
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Power dissipation		W	0.8
Mechanical features			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
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Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	12
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AWG - Flexible cable			
	min	AWG	20
	Max	AWG	12
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Conductor size (IEC) - Flexible cable			
	min	mm ²	0.5
	Max	mm ²	2.5
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Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	2.5
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Mechanical life		cycles	1x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	240V	HP	3
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for single-phase motor			
	240V	HP	1
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Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
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Storage temperature			
	min	°C	-40
	max	°C	+70
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Resistance & Protection			
Frontal IP degree			IP40

Terminals IP degree

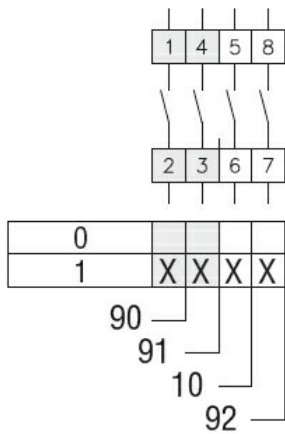
IP20

Dimensions



Series	Dimensions						L			
	□A	D1	D2	E	G	□K	1	2	3...12	
GF20	48	12	5	34.2	5	36	44	57.5	71	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