

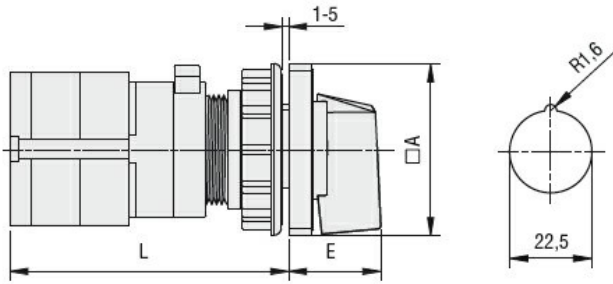


Product designation	Rotary cam switches
Product type designation	GF10
<b>General characteristics</b>	
Switching diagram	10 - ON/OFF switch 3 poles
N° of elements	2
Mounting form	U47 - Snap on front mounting with black handle for hole diam. 22mm fixing

**Contact characteristics**

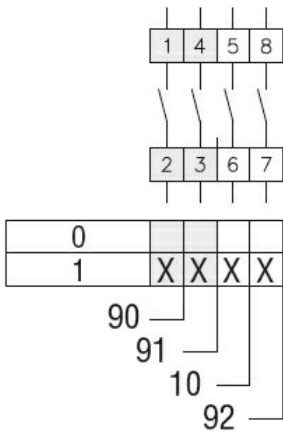
Rated insulation voltage $U_i$	IEC/EN	V	480
	UL/CSA	V	240
Rated impulse withstand voltage $U_{imp}$		kV	4
Conventional free air thermal current $I_{th}$	IEC/EN	A	10
	UL/CSA	A	10
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16
Rated short time current $I_{cw}$	1s	kA	250
Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		
		A	10
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
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Rated operational current in DC			
DC21A	48V	A	10
	60V	A	7
	110V	A	2
	220V	A	0.7
	440V	A	0.2
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DC13	24V	A	3
	48V	A	3
	60V	A	2
	110V	A	1
	220V	A	0.3
	440V	A	0.1
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Power dissipation		W	0.4
<b>Mechanical features</b>			
Terminals screw			2.5M
Tightening torque for terminals max		Nm	0.4
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Conductor size			
AWG - Rigid cable	min	AWG	20
	Max	AWG	14
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AWG - Flexible cable	min	AWG	20
	Max	AWG	14
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Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	1.5
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Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	1.5
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Mechanical life		cycles	1x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor	240V	HP	2
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for single-phase motor	240V	HP	0.75
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<b>Ambient conditions</b>			
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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<b>Resistance &amp; Protection</b>			
Frontal IP degree			IP40
Terminals IP degree			IP20
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<b>Dimensions</b>			



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