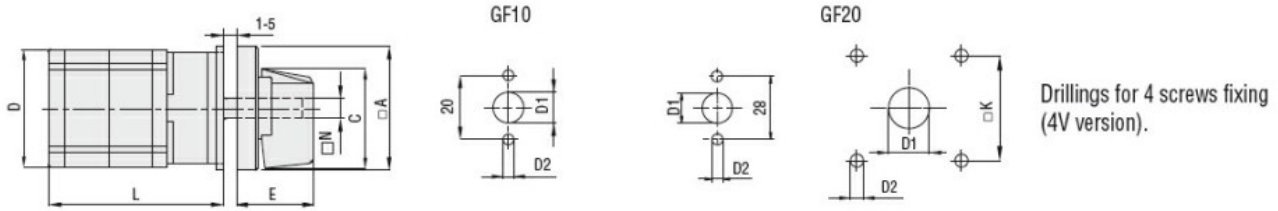




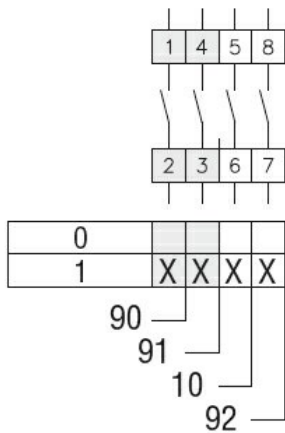
Product designation				Rotary cam switches
Product type designation				GF10
<b>General characteristics</b>				
Switching diagram				91 - ON/OFF switch 2 poles
N° of elements				1
Mounting form				U - Front mounting with black handle
<b>Contact characteristics</b>				
Rated insulation voltage $U_i$	IEC/EN	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	
			1s	A 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
Rated operational current in DC				
DC21A		48V	A	10
		60V	A	7
		110V	A	2
		220V	A	0.7
		440V	A	0.2
DC13		24V	A	3
		48V	A	3
		60V	A	2
		110V	A	1
		220V	A	0.3
		440V	A	0.1
Power dissipation			W	0.4
<b>Mechanical features</b>				
Terminals screw				2.5M
Tightening torque for terminals max			Nm	0.4
Conductor size				
AWG - Rigid cable		min	AWG	20
		Max	AWG	14
AWG - Flexible cable		min	AWG	20
		Max	AWG	14
Conductor size (IEC) - Flexible cable		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	1.5
Conductor size (IEC) - Rigid cable		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	1.5
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
for single-phase motor		240V	HP	0.75
<b>Ambient conditions</b>				
Temperature				
Operating temperature		min	°C	-25
		max	°C	+55
Storage temperature		min	°C	-40
		max	°C	+70
<b>Resistance &amp; Protection</b>				
Frontal IP degree				IP40
Terminals IP degree				IP20
<b>Dimensions</b>				



Series	Dimensions								L Number of elements											
	□A	C	D	∅D1	∅D2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	-	∅5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	39.5	36	12	5	26.5	36	□6	44	57.5	71	84.5	98	111.5	125	138.5	152	165.5	179	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