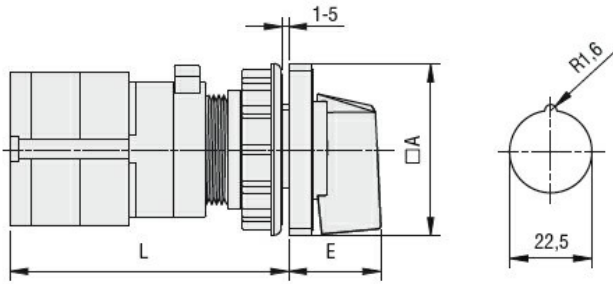


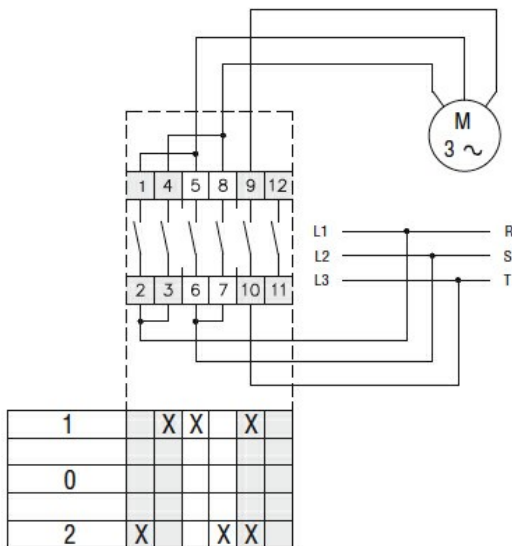
Product designation				Rotary cam switches	
Product type designation				GF10	
<b>General characteristics</b>					
Switching diagram				11 - 3-phase motor reversing switch	
N° of elements				3	
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm finxing	
<b>Contact characteristics</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		
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	
	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			
	□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