

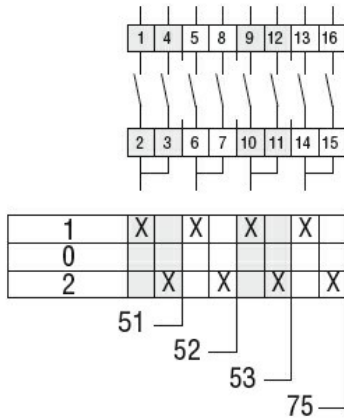
Product designation				Rotary cam switches
Product type designation				GF10
<b>General characteristics</b>				
Switching diagram				53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements				3
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm fixing
<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