

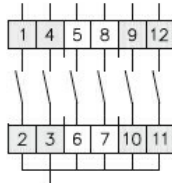
Product designation				Rotary cam switches
Product type designation				GF10
General characteristics				
Switching diagram				85 - Multi-step 1-2-3-4-6 1 pole
N° of elements				3
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm fixing
Contact characteristics				
Rated 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	
		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
Mechanical features				
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 ²	0.5
		Max	mm ²	1.5
	Conductor size (IEC) - Rigid cable			
		min	mm ²	0.5
		Max	mm ²	1.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-on-line control				
	for three-phase motor			
		240V	HP	2
	for single-phase motor			
		240V	HP	0.75
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection				
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				



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



1	X				
2			X		
3					X
4		X			
5				X	
6					X

85

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