

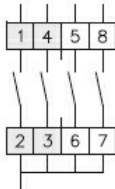
Product designation				Rotary cam switches	
Product type designation				GF10	
General characteristics					
Switching diagram				109 - Multi-step 0-1-2-3-4 1 pole	
N° of elements				2	
Mounting form				U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing	
Contact characteristics					
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	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
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



0				
1	X			
2			X	
3		X		
4				X

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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