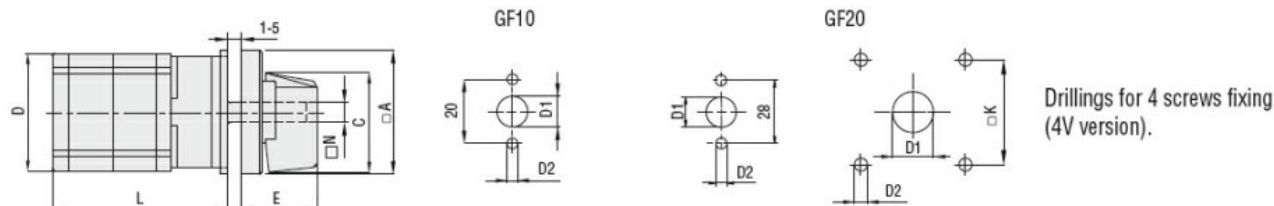


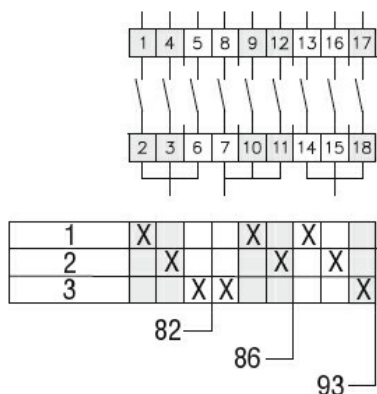
Product designation			Rotary cam switches			
Product type designation			GF20			
General characteristics						
Switching diagram			86 - Multi-step 1-2-3 2 poles			
N° of elements			3			
Mounting form			U - Front mounting with black handle			
Contact characteristics						
Rated insulation voltage Ui			IEC/EN	V	480	
			UL/CSA	V	240	
Rated impulse withstand voltage Uimp			kV	4		
Conventional free air thermal current Ith			IEC/EN	A	20	
			UL/CSA	A	15	
Rated operational voltage			V	480		
Rated operational impulse voltage			kV	4		
Maximum fuse size for short-circuit protection In (gG)			10kA	A	20	
			15kA	A	20	
			25kA	A	20	
Rated short time current Icw			1s	kA	250	
Conductivity			10/5 mA/V			
Operational current Ie IEC/EN						
AC1/AC21A			A			20
AC15			110V	A	10	
			220/230V	A	8	
			380/400V	A	6	
Rated operational power in AC						
Three-phase AC-3			220/230V	kW	3	
			380/440V	kW	5	
Single-phase AC-3			110V	kW	0.5	
			220/230V	kW	1.5	
			380/440V	kW	2	
Three-phase AC23A			220/230V	kW	4	
			380/440V	kW	7.5	
Single-phase AC23A			110V	kW	0.75	
			220/230V	kW	2	
			380/440V	kW	2.5	
Rated operational current in DC						
DC21A			48V	A	20	
			60V	A	20	

		110V	A	4
		220V	A	0.7
		440V	A	0.2
DC13				
		24V	A	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
Conductor size				
AWG - Rigid cable				
	min	AWG		20
	Max	AWG		12
AWG - Flexible cable				
	min	AWG		20
	Max	AWG		12
Conductor size (IEC) - Flexible cable				
	min	mm ²		0.5
	Max	mm ²		2.5
Conductor size (IEC) - Rigid cable				
	min	mm ²		0.5
	Max	mm ²		2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		240V	HP	3
for single-phase motor				
		240V	HP	1
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 Number of elements											
	□A	C	D	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	—	Ø5	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