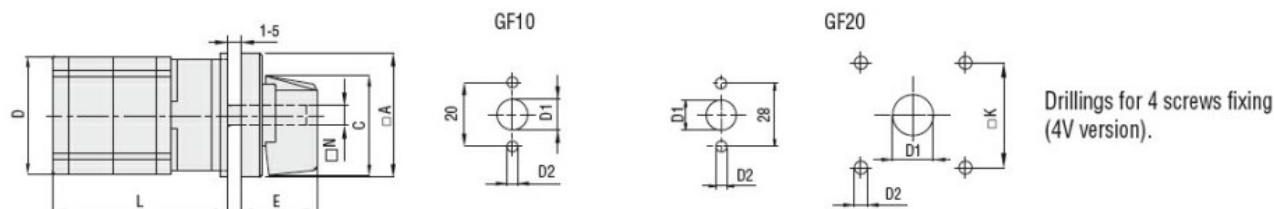


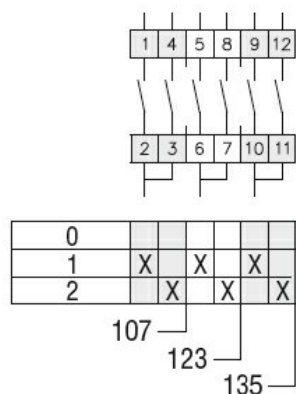
Product designation			Rotary cam switches		
Product type designation			GF20		
General characteristics					
Switching diagram			135 - Multi-step 0-1-2 3 poles		
N° of elements			3		
Mounting form			U - Front mounting with black handle		
Contact characteristics					
Rated insulation voltage Ui			IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage Uimp				kV	4
Conventional free air thermal current Ith			IEC/EN UL/CSA	A A	20 15
Rated operational voltage				V	480
Rated operational impulse voltage				kV	4
Maximum fuse size for short-circuit protection In (gG)			10kA 15kA 25kA	A A A	20 20 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 220/230V 380/400V	A A A	10 8 6
Rated operational power in AC Three-phase AC-3			220/230V 380/440V	kW kW	3 5
Single-phase AC-3			110V 220/230V 380/440V	kW kW kW	0.5 1.5 2
Three-phase AC23A			220/230V 380/440V	kW kW	4 7.5
Single-phase AC23A			110V 220/230V 380/440V	kW kW kW	0.75 2 2.5
Rated operational current in DC DC21A			48V 60V	A A	20 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