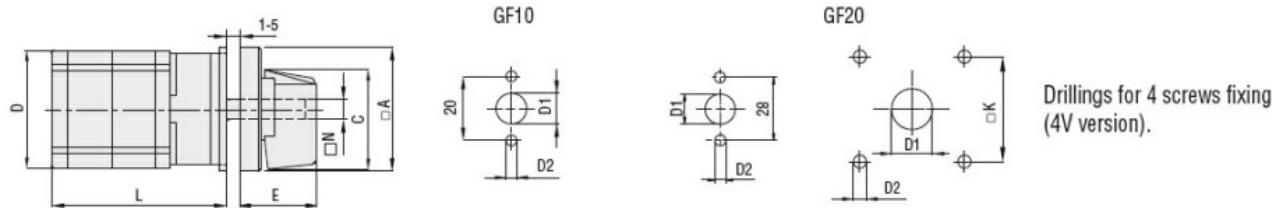


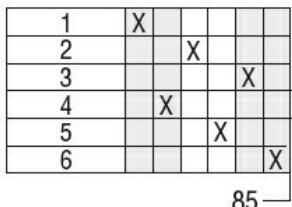
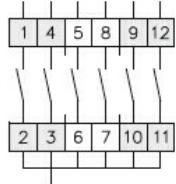
Product designation	Rotary cam switches	
Product type designation	GF20	
General characteristics		
Switching diagram	85 - Multi-step 1-2-3-4-6 1 pole	
N° of elements	3	
Mounting form	U - Front mounting with black handle	
Contact characteristics		
Rated insulation voltage Ui	IEC/EN V 480 UL/CSA V 240	
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		
Mechanical features			
Terminals screw	M3		
Tightening torque for terminals max	Nm		
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		
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



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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