

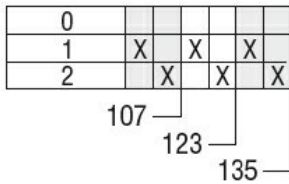
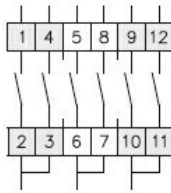
Product designation				Rotary cam switches
Product type designation				GF20
General characteristics				
Switching diagram				107 - Multi-step 0-1-2 1 pole
N° of elements				1
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltage U_i		IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage U_{imp}			kV	4
Conventional free air thermal current I_{th}		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 I_n (gG)		10kA 15kA 25kA	A A A	20 20 20
Rated short time current I_{cw}			1s A	250
Conductivity				10/5 mA/V
Operational current I_e 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	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	39.5	12	5	26.5	36	□6	46	59.5	73	86.5	100	113.5	127	140.5	154	167.5	181	194.5

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