

Product designation				Rotary cam switches
Product type designation				GF20
General characteristics				
Switching diagram				109 - Multi-step 0-1-2-3-4 1 pole
N° of elements				2
Mounting form				U - Front mounting with black handle
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	20	
	UL/CSA	A	15	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	20	
	15kA	A	20	
	25kA	A	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	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
ETIM classification				
ETIM 8.0				EC001029 - Selector switch, complete