

Product designation	Rotary cam switches		
Product type designation	GF20		
<b>General characteristics</b>			
Switching diagram	26 - 3-phase motor reversing switch with spring return		
N° of elements	3		
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle		
<b>Contact characteristics</b>			
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 $I_{cw}$		A	250
	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
Three-phase AC23A	380/440V	kW	2
	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
<b>Rated operational current in DC</b>			

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	
<b>Mechanical features</b>				
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 <sup>2</sup>	0.5	
	Max	mm <sup>2</sup>	2.5	
Conductor size (IEC) - Rigid cable				
	min	mm <sup>2</sup>	0.5	
	Max	mm <sup>2</sup>	2.5	
Mechanical life		cycles	1x10 <sup>6</sup>	
<b>UL technical data</b>				
Motor power for direct-on-line control				
for three-phase motor				
	240V	HP	3	
for single-phase motor				
	240V	HP	1	
<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
<b>Resistance &amp; Protection</b>				
Frontal IP degree			IP40	
Terminals IP degree			IP20	
<b>ETIM classification</b>				
ETIM 8.0			EC001029 - Selector switch, complete	