

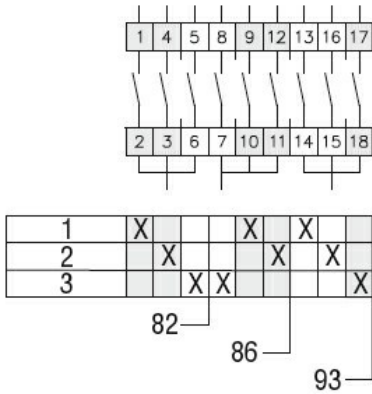
Product designation				Rotary cam switches
Product type designation				GF20
General characteristics				
Switching diagram				86 - Multi-step 1-2-3 2 poles
N° of elements				3
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm fixing
Contact characteristics				
Rated insulation 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}		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	
	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
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DC13		24V	A	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
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Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
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Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
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	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
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	Conductor size (IEC) - Flexible cable			
		min	mm ²	0.5
		Max	mm ²	2.5
<hr/>				
	Conductor size (IEC) - Rigid cable			
		min	mm ²	0.5
		Max	mm ²	2.5
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Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-on-line control				
	for three-phase motor			
		240V	HP	3
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	for single-phase motor			
		240V	HP	1
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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
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	Storage temperature			
		min	°C	-40
		max	°C	+70
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Resistance & Protection				
Frontal IP degree				IP40
Terminals IP degree				IP20
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Dimensions				



Series	Dimensions		L			
	□A	E	1	2	3...8	
GF10	30	18.5	60	72	84	144
GF20	48	26.5	56	69.5	83	150.5

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