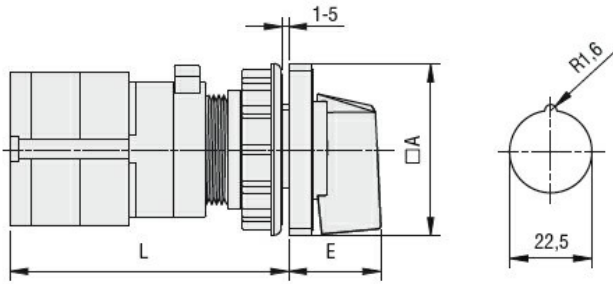


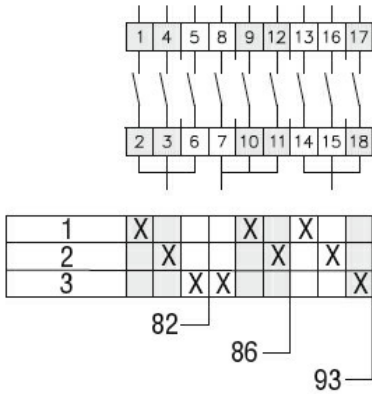
Product designation				Rotary cam switches
Product type designation				GF20
<b>General characteristics</b>				
Switching diagram				93 - Multi-step 1-2-3 3 poles
N° of elements				5
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm fixing
<b>Contact characteristics</b>				
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	
				10/5 mA/V
Conductivity				10/5 mA/V
Operational current Ie IEC/EN	AC1/AC21A			A 20
	AC15			
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
<hr/>				
DC13		24V	A	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
<hr/>				
Power dissipation			W	0.8
<b>Mechanical features</b>				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
<hr/>				
Conductor size	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
<hr/>				
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
<hr/>				
	Conductor size (IEC) - Flexible cable			
		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
<hr/>				
	Conductor size (IEC) - Rigid cable			
		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
<hr/>				
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
<hr/>				
	for single-phase motor			
		240V	HP	1
<hr/>				
<b>Ambient conditions</b>				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
<hr/>				
	Storage temperature			
		min	°C	-40
		max	°C	+70
<hr/>				
<b>Resistance &amp; Protection</b>				
Frontal IP degree				IP40
Terminals IP degree				IP20
<hr/>				
<b>Dimensions</b>				



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