

General characteristics

Switching diagram	123 - Multi-step 0-1-2 2 poles
N° of elements	2
Mounting form	O - Rear mounting with black handle

Contact characteristics

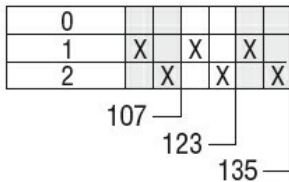
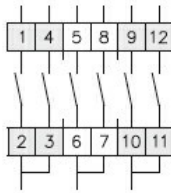
Rated insulation voltage U_i	IEC/EN	V	480		
	UL/CSA	V	240		
Rated impulse withstand voltage U_{imp}		kV	4		
Conventional free air thermal current I_{th}	IEC/EN	A	20		
	UL/CSA	A	15		
Rated operational voltage		V	480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	20		
	15kA	A	20		
	25kA	A	20		
Rated short time current I_{cw}	1s	kA	250		
			10/5 mA/V		
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
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