

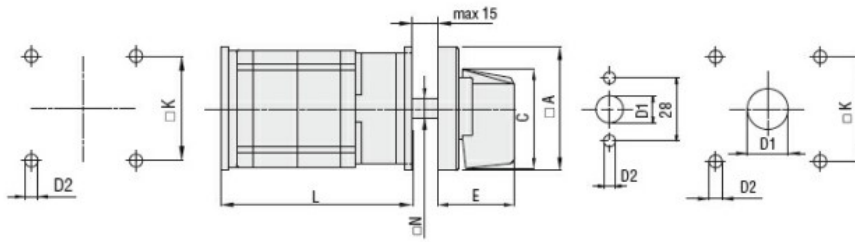
General characteristics

Switching diagram	87 - Multi-step 1-2-3-4 2 poles
N° of elements	4
Mounting form	O - Rear mounting with black handle

Contact characteristics

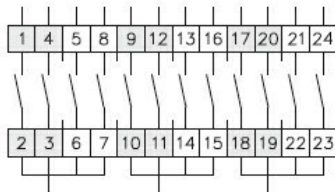
Rated insulation voltage U_i	IEC/EN	V	480		
	UL/CSA	V	240		
Rated impulse withstand voltage U_{imp}		kV	4		
Conventional free air thermal current I_{th}	IEC/EN	A	20		
	UL/CSA	A	15		
Rated operational voltage		V	480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	20		
	15kA	A	20		
	25kA	A	20		
Rated short time current I_{cw}	1s	kA	250		
	Conductivity			10/5 mA/V	
Operational current I_e IEC/EN	AC1/AC21A		A	20	
	AC15				
	110V	A	10		
	220/230V	A	8		
Rated operational power in AC			380/400V	A	6
	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



1	X			X			X													
2		X			X												X			
3			X			X		X											X	
4		X			X				X											

83 —
87 —
94 —

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