

### General characteristics

Switching diagram	83 - Multi-step 1-2-3-4 1 pole
N° of elements	2
Mounting form	O - Rear mounting with black handle

### Contact characteristics

Rated insulation voltage $U_i$	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage $U_{imp}$		kV	6
Conventional free air thermal current $I_{th}$	IEC/EN	A	40
	UL/CSA	A	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	40
	15kA	A	40
	25kA	A	40
	50kA	A	40
	63kA	A	40
Rated short time current $I_{cw}$	1s	kA	1000
	Conductivity		
Operational current $I_e$ IEC/EN	AC1/AC21A		
		A	40
Operational current $I_e$ IEC/EN	AC15		
	110V	A	25
	220/230V	A	22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
	Single-phase AC-3		
	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
	Three-phase AC23A		
	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
	Single-phase AC23A		
	110V	kW	3
	220/230V	kW	6
380/440V	kW	11	
Rated operational current in DC			
DC21A			

	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9
DC23A (poles in series)	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)
DC13	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
Power dissipation		W	2.0
<b>Mechanical features</b>			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
Conductor size			
AWG - Rigid cable	min	AWG	16
	Max	AWG	8
AWG - Flexible cable	min	AWG	16
	Max	AWG	10
Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10
Mechanical life		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20
for single-phase motor	120V	HP	2
	240V	HP	5
<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			IP00

