

**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	40	
Rated operational voltage		V	440	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	40	
	15kA	A	35	
	25kA	A	35	
Rated short time current $I_{cw}$	1s	kA	1000	
			10/5 mA/V	
Conductivity			10/5 mA/V	
Operational current $I_e$ IEC/EN	AC1/AC21A	A	40	
	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	7.5
		380/440V	kW	15
		500/690V	kW	15
	Single-phase AC-3	110V	kW	2.2
		220/230V	kW	4.4
		380/440V	kW	7
	Three-phase AC23A	220/230V	kW	9
		380/440V	kW	18.5
		500/690V	kW	15
	Single-phase AC23A	110V	kW	3
		220/230V	kW	5.2
		380/440V	kW	7.5
Rated operational current in DC	DC21A	48V	A	40
		60V	A	40

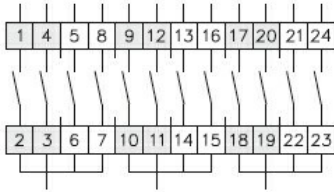
	110V	A	6
	220V	A	0.8
	440V	A	0.25
<hr/>			
DC23A (poles in series)	24V	A	40 (1)
	48V	A	40 (1)
	60V	A	40 (3)
	110V	A	40 (3)
	220V	A	12 (4)
<hr/>			
DC13	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
	220V	A	0.5
	440V	A	0.15
<hr/>			
Power dissipation		W	1.6
<b>Mechanical features</b>			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
<hr/>			
Conductor size			
AWG - Rigid cable	min	AWG	16
	Max	AWG	8
<hr/>			
AWG - Flexible cable	min	AWG	16
	Max	AWG	10
<hr/>			
Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
<hr/>			
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10
<hr/>			
Mechanical life		cycles	1X10 <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	15
	600V	HP	15
<hr/>			
for single-phase motor	120V	HP	2
	240V	HP	5
<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			IP65

Terminals IP degree

IP20

Dimensions

Wiring diagrams



1	X			X			X		
2		X			X			X	
3			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

IEC/EN/BS 61058-1

UL60947-4-1

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete