

**General characteristics**

Switching diagram	108 - Multi-step 0-1-2-3 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	16
	UL/CSA	A	12
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16
	15kA	A	16
	25kA	A	16
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	16
	AC15		
	110V	A	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	3.5
	380/440V	kW	4.5
	500/690V	kW	5.5
	Single-phase AC-3		
	110V	kW	0.55
	220/230V	kW	1.5
	380/440V	kW	2.2
	Three-phase AC23A		
	220/230V	kW	3.7
	380/440V	kW	6.5
	500/690V	kW	7.5
	Single-phase AC23A		
	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Rated operational current in DC	DC21A		
	48V	A	16
	60V	A	16

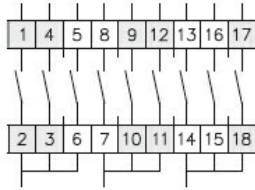
		110V	A	4
		220V	A	0.6
		440V	A	0.25
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DC23A (poles in series)		24V	A	16 (1)
		48V	A	16 (2)
		60V	A	16 (3)
		110V	A	10 (3)
		220V	A	7 (4)
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DC13		24V	A	16
		48V	A	14
		60V	A	10
		110V	A	1
		220V	A	0.4
		440V	A	0.15
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Power dissipation			W	0.6
<b>Mechanical features</b>				
Terminals screw				3M
Tightening torque for terminals max			Nm	0.5
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Conductor size				
AWG - Rigid cable				
	min	AWG		20
	Max	AWG		12
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AWG - Flexible cable				
	min	AWG		20
	Max	AWG		12
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Conductor size (IEC) - Flexible cable				
	min	mm <sup>2</sup>		0.5
	Max	mm <sup>2</sup>		2.5
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Conductor size (IEC) - Rigid cable				
	min	mm <sup>2</sup>		0.5
	Max	mm <sup>2</sup>		2.5
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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	1.5
		240V	HP	3
		480V	HP	5
		600V	HP	5
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for single-phase motor				
		120V	HP	0.75
		240V	HP	1
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<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
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Storage temperature				
	min	°C		-40
	max	°C		+70
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<b>Resistance &amp; Protection</b>				
Frontal IP degree				IP65

Terminals IP degree

IP20

Dimensions

Wiring diagrams



0													
1	X				X		X						
2			X	X									X
3		X				X		X		X			

108 ———  
124 ———  
136 ———

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