

General characteristics

Switching diagram	87 - Multi-step 1-2-3-4 2 poles
N° of elements	4
Mounting form	O48 - Modular service cover for 35mm din rail 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	20	
	UL/CSA	A	20	
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	16	
	25kA	A	16	
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	
	380/400V	A	6	
	660/690V	A	1.5	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	3	
	380/440V	kW	5.5	
	500/690V	kW	5.5	
	Single-phase AC-3			
	110V	kW	0.8	
	220/230V	kW	2.2	
	380/440V	kW	3	
	Three-phase AC23A			
	220/230V	kW	5	
	380/440V	kW	7.5	
	500/690V	kW	7.5	
Single-phase AC23A				
110V	kW	0.8		
220/230V	kW	2.5		
380/440V	kW	3.7		
Rated operational current in DC	DC21A			

		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
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DC23A (poles in series)				
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
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DC13				
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
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Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
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	14
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Conductor size (IEC) - Flexible cable				
		min	mm ²	0.5
		Max	mm ²	2.5
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Conductor size (IEC) - Rigid cable				
		min	mm ²	0.5
		Max	mm ²	2.5
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Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
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for single-phase motor				
		120V	HP	0.75
		240V	HP	2
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Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-25
		max	°C	+55
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Storage temperature				
		min	°C	-40
		max	°C	+70

