

General characteristics

Switching diagram	93 - Multi-step 1-2-3 3 poles
N° of elements	5
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	32	
	UL/CSA	A	32	
Rated operational voltage		V	440	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	35	
	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	32	
	AC15			
	110V	A	25	
	220/230V	A	20	
	380/400V	A	10	
	660/690V	A	2	
Rated operational power in AC	Three-phase AC-3	220/230V	kW	7.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC-3	110V	kW	1.8
		220/230V	kW	3.5
		380/440V	kW	5.5
	Three-phase AC23A	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	15
	Single-phase AC23A	110V	kW	2.2
		220/230V	kW	3.5
		380/440V	kW	6
Rated operational current in DC	DC21A	48V	A	32
		60V	A	32

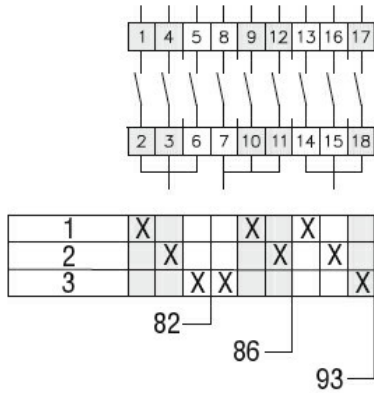
	110V	A	5
	220V	A	0.8
	440V	A	0.25
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DC23A (poles in series)	24V	A	32 (1)
	48V	A	32 (2)
	60V	A	32 (3)
	110V	A	15 (3)
	220V	A	12 (4)
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DC13	24V	A	32
	48V	A	25
	60V	A	14
	110V	A	3
	220V	A	0.5
	440V	A	0.15
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Power dissipation		W	1.6
Mechanical features			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
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Conductor size			
AWG - Rigid cable	min	AWG	16
	Max	AWG	8
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AWG - Flexible cable	min	AWG	16
	Max	AWG	10
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Conductor size (IEC) - Flexible cable	min	mm ²	1.5
	Max	mm ²	6
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Conductor size (IEC) - Rigid cable	min	mm ²	1.5
	Max	mm ²	10
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Mechanical life		cycles	1X10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	3
	240V	HP	7.5
	480V	HP	15
	600V	HP	15
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for single-phase motor	120V	HP	1.5
	240V	HP	3
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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
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Resistance & Protection			
Frontal IP degree			IP65

Terminals IP degree

IP20

Dimensions

Wiring diagrams



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