

General information AE9 - AE110, DC operated UL rated, 3 phase

Application

A-Line contactors are mainly used for controlling 3-phase motors and for controlling power circuits corresponding to their operating characteristics up to 690 and even 1000 VAC. and 440 VDC.

Control circuit types

All terminals provide protection against accidental direct contact with live parts according to

All AE9 - AE40 contactor terminals as well as AE45 - AE110 contactor auxiliary contact and coil terminals ensure IP20 degree of protection

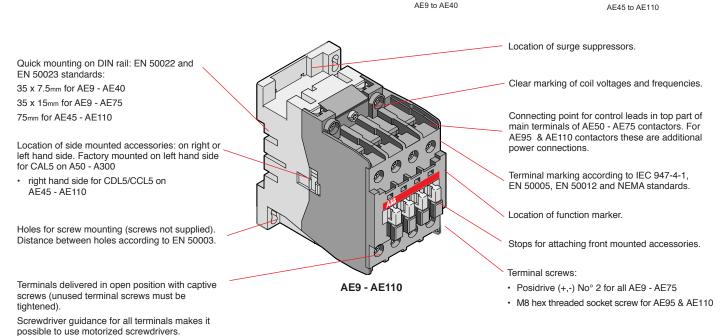
VDE0106 - Part. 100.

according to IEC 947-1.

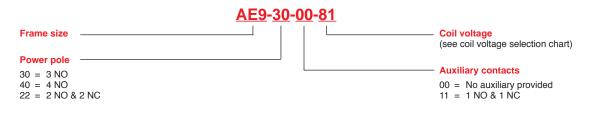
AE types: with laminated magnetic circuit and double-winding coil fed from DC supply via a CDL5 insertion contact mounted on the device. The CDL5 has an NC lagging contact for insertion of the second winding. (See schematic.)

Uc (DC) Uc (DC) A1 CDL5 (AE45 to AE75) A2 CCL5 (AE95 to AE110) B2 - Holding NC contact in B2 - Holdin 4th contactor pole B1 - Pull-in A3

AE9 to AE40



Catalog number explanation



Coil voltage selection chart

Hz	Contr. type	Volts							
		12	24	48	110	125	220	240	
DC	AE	80	81	83	86	87	88	89	

For other voltages, see page 1.26.

1.4

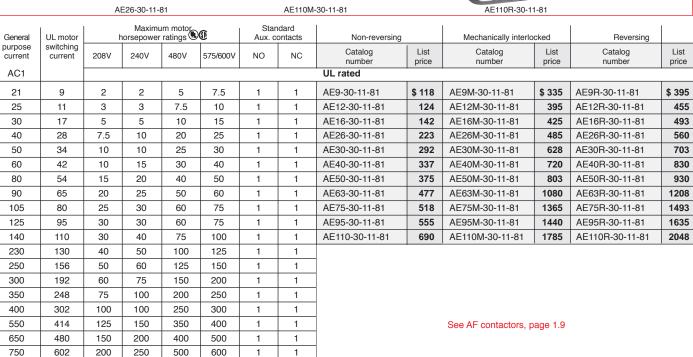
AE9 - AE110 Non-reversing, mechanically interlocked, reversing DC operated, UL rated, 3 phase



Across the line







Coil voltage selection

810

960

1080

250

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900

1350

1650

All DC operated catalog numbers include a 24VDC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the two digits after the last dash in the catalog number.

300

400

450

600

800

900

700

900

1000

1

1

1

1

1

1

Ex.: A 110V coil is required for an AE75 contactor: AE75-30-11-86

Auxiliary contact blocks

For additional auxiliary contact blocks, see catalog number explanation on page 1.4. Add \$ 20 to list price for each additional auxiliary, and see page 1.18 for available combinations.

Mechanical interlock

Mechanically interlocked contactors are designed for reversing, 2 speed, reduced voltage, etc. type starter applications. The complete assembly consists of two mechanically and electrically interlocked ocntactors mounted as follows with line and load terminals:

- · AE9 AE16 mounted on 35mm DIN rail
- AE26 AE110 mounted on common baseplate
- Power wiring is not included.

The NC electrical interlock is provided with the mechanical interlock.

Coil voltage selection chart

Hz	Contr. type	Volts							
ΠZ		12	24	48	110	125	220	240	
DC	AE	80	81	83	86	87	88	89	

For other voltages, see page 1.26

Reversing

Reversing contactors are designed for reversing type starter applications. The complete assembly consists of two mechanically and electrically interlocked contactors mounted as follows with line and load terminals:

- AE9 AE16 mounted on 35mm DIN rail
- AE26 AE110 mounted on common baseplate

The NC electrical interlock is provided with the mechanical interlock.