

Contactors

- Fits 35mm DIN rail
- Touch Safe Design
- Captive Terminal Screws
- Built in surge protection
- Magnetic coil (AE series only)
- Electronically controlled coil (AE series only)
- CE Marked
- UL Listed, CSA, IEE Certified



ABB CONTACTORS

Item Number	No. Poles NO/NC	VDC 50/60 Hz.	Aux Contactor NO/NC	Resistive/ Inductive Amps	Price
AF Series					
Non reversing, AC and DC operated, laminated magnetic circuit					
AF09-30-10-11	3/0	24-60	1/0	AC1 25A/AC3 9A	\$111.40
AF09-30-10-13	3/0	100-250	1/0	AC1 25A/AC3 9A	\$88.58
AF16-22-00-13	2/2	100-250	0/0	AC1 30A/AC3 17A	\$127.19
AF16-30-10-11	3/0	24-60	1/0	AC1 30A/AC3 18A	\$155.76
AF16-30-10-13	3/0	100-250	1/0	AC1 30A/AC3 18A	\$129.80
AF16-40-00-13	4/0	100-250	0/0	AC1 30A/AC3 18A	\$146.00
AF30-30-00-11	3/0	24-60	0/0	AC1 50A/ AC3 32A	\$233.60
AF30-30-00-13	3/0	100-250	0/0	AC1 50A/ AC3 30A	\$194.68
AF38-22-00-12	2/2	48-130	0/0	AC1 55A/AC3 22A	\$305.00
AF40-22-00-13	2/2	100-250	0/0	AC1 70A/AC3 40A	\$379.79
AF40-30-11-11	3/0	24-60	1/1	AC1 70A/AC3 40A	\$282.28
AF40-30-11-13	3/0	100-250	1/1	AC70A/DC40A	\$260.64
AF52-30-00-13	3/0	100-250	0/0	AC1 100A/AC3 53A	\$264.96
AF80-22-00-13	2/2	100-250	0/0	AC1 125A/ AC3 80A	\$530.30
AF96-30-00-13	3/0	100-250	0/0	AC1 130A/AC3 96A	\$441.24
AF116-30-11-11	3/0	20-60	0/0	AC1 145/ AC3 116A	\$652.16
AF116-30-11-13	3/0	100-250	1/1	AC1 145/ AC3 116A	\$576.44
AE Series					
Non Reversing, DC operated					
AE30-30-00-81	3/0	24	N/0	50/34	\$399.86
AE75-30-00-81	3/0	24	0/0	105/8	\$744.00
AL Series					
AL16-30-10-81	3/0	24	1/0	30/17	\$261.28

Images are representative of products listed and may not be actual product.

Motor Controls

ABB

Overload Relays

- Trip-free Mechanism
- Temperature Compensation
- Phase Failure Protection
- Reset and Test Functions
- UL #E48139
- Manual or automatic reset selectable
- TEST and STOP function- Trip indication on the front
- Suitable for three and single-phase applications
- Trip Class 10
- Fit Contactors AF09- AF38



TF OVERLOAD RELAYS

Item Number	Amp Range	Price
TF42-10	7.6 - 10	\$70.32
TF42-13	10 - 13	\$70.32
TF42-16	13 - 16	\$70.32
TF42-2.3	1.7-2.3	\$70.32
TF42-20	16 - 20	\$70.32
TF42-24	20 - 24	\$70.32
TF42-29	24 - 29	\$70.32
TF42-3.1	2.3 - 3.1	\$70.32
TF42-35	29 - 35	\$70.32
TF42-4.2	3.1 - 4.2	\$70.32
TF42-5.7	4.2 - 5.7	\$70.32
TF42-7.6	5.7 - 7.6	\$70.32

Accessories



CONTACT BLOCK 1P



CONTACT BLOCK 4P



MECHANICAL INTERLOCK

Item Number	Contactor Series	Contact NO/NC	Mounting	Max # of Blocks	Price
Auxiliary Contact Blocks					
CA4-01	AF09-AF96	0/1	Front	4-6	\$16.24
CA4-10	AF09-AF94	1/0	Front	4-6	\$16.24
CA5-01	AE30, AE75, AF40-AF96	0/1	Front	4-6	\$19.01
CA5-10	AE30, AE75, AF40-AF96	1/0	Front	4-6	\$19.01
CA5-11/11M	AL16	2/2	Front	1	\$38.01
CAL4-11	AF09-AF96	1/1	Side	1-2	\$32.45
CAL5-11	A9-A75, AE9, AE75	1/1	Side	1-2	\$38.11
CAL18-11	A95, A300	1/1	Side	1	\$32.45
CAL19-11	AF116-370	1/1	Side	1	\$32.45

Item Number	Range	Price
Mechanical Interlocks		
VM96-4	AF40-AF96	\$28.10
VM19	AF116-AF146	\$56.20

List pricing in catalog is subject to change without notice.

Contactors

- IP20 finger safe terminals with both North American and International terminal markings
- All contactors include built in auxiliary contacts
- Fits 35mm DIN Rail
- Easy to install accessories
- CE Marked
- UL Listed
- CSA Certified



TESYS™ D IEC SERIES

Item Number	V50/60Hz.	Aux Contact	Contact Ratings: Resistive/Inductive	Price
TeSys™ Series D				
Non reversing, AC operated				
LC1D09BD	24 *VDC	1/1	AC1 25A/AC3 9A	\$152.08
LC1D09G7	120	1/1	AC1 25A/AC3 9A	\$120.13
LC1D09U7	240	1/1	AC1 25A/AC3 9A	\$120.13
LC1D18B7	24	1/1	AC1 32A/AC3 18A	\$173.81
LC1D18G7	120	1/1	AC1 32A/AC3 18A	\$173.81
LC1D18U7	240	1/1	AC1 32A/AC3 18A	\$173.81
LC1D32G7	120	1/1	AC1 50A/AC3 32A	\$219.82
LC1D32U7	240	1/1	AC1 50A/AC3 32A	\$219.82
LC1D65U7	240	1/1	AC1 80A/AC3 65A	\$567.43
LC1D80G7	120	1/1	AC1 125A/AC3 80A	\$463.91
LC1D80U7	240	1/1	AC1 125A/AC3 80A	\$463.91
LC1D95G7	120	1/1	AC1 125A/AC3 95A	\$558.49
LC1D95U7	240	1/1	AC1 125A/AC3 95A	\$558.49

Motor Controls

TELEMECHANIQUE

Overload Relays

- Variety of Safety Features
- Includes Pre-wiring Kit
- Ambient Compensated
- Manual Set Automatic Mode
- Direct Mounting
- Class 10 with Single Phase Sensitivity
- UL Listed
- CSA Certified
- CE Marked



LRD SERIES

Item Number	Contactor	Range Amps	Price
TeSys D			
LRD08	D09-D32	2.5-4	\$76.68
LRD12	D09-D32	5.5-8	\$79.24
LRD16	D12-D32	9-13	\$79.24
LRD21	D18-D32	12-18	\$79.24
LRD22	D25-D32	16-24	\$79.24

Accessories



LAD8N11



LADN11 & LADN22



LADN20

Item Number	Contactor Series	Contact NO/NC	Mounting	Price
Auxiliary Contacts				
LAD8N02	LC1D01-LC1D95	2/2	Side	\$26.46
LAD8N11	LC1D09-LC1D95	1/1	Side	\$25.78
LADN11	LC1D09-LC1D95, LC14115-LC1F150	1/1	Front/Right Side	\$25.78
LADN20	LC1D09-LC1D95, LC14115-LC1F150	2/0	Front/Right Side	\$26.46
LADN22	LC1D09-LC1D95, LC14115-LC1F150	1/1	Front/Right Side	\$53.04

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Ace Series

- Sensorless dynamic torque vector control
- Motor vector control with PG (with optional card)
- Synchronous motor with sensorless vector control
- 2-channel on-board RS485 communications port
- Standard CANopen compatibility
- Removable keypad device
- Removable control terminal block board



ACE SERIES

Mini Series

- High starting torque, at 150% or more
- Compatible with a wide range of frequency settings, with output set at a max 400Hz.
- Side by side mounting options
- Equipped with Frequency setting potentiometer
- CE, UL, and cUL certifications



MINI SERIES

Item Number	HP	Volts	Dimensions in "(mm) WxHxD	Weight in lbs. (kg)	Price
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Ace Series

FRN0020E2S-2GB	5	230	5.51 (139.95) x 5.51 (139.95) x 5.63(143)	4(1.81)	\$670.73
FRN0030E2S-2GB	7.5	230	7.09(180.08) x 9.05(229.87) x 6.22(157.98)	11(4.99)	\$982.93
FRN0040E2S-2GB	10	230	7.09(180.08) x 9.05(229.87) x 6.22(157.98)	11(4.99)	\$1,201.95
FRN0056E2S-2GB	15	230	8.66(219.97) x 10.63(270.00) x 7.48(189.99)	18(8.16)	\$1,588.29
FRN0037E2S-4GB	15	460	8.66(219.97) x 10.63(270.00) x 7.48(189.99)	18(8.16)	\$1,592.68

Item Number	HP	Amps	Dimensions in "(mm) WxHxD	Weight in lbs. (kg)	Price
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Mini Series

FRN0012C2S-2U	3	12	5.12(130.40) x 4.33(109.98) x 5.47(138.94)	3.7(1.6)	\$340.00
FRN0020C2S-2U	5	17	7.09(180.09) x 5.51(139.95) x 5.47(138.94)	5.5(2.5)	\$448.78

Nema 1 Kit

- When fitted to the Mini and Multi Series protects the inverter body with the structure that confirms the NEMA1 standard (approved as UL Type 1).
- Connection Box – for use when not mounted in an enclosure



NEMA KIT

Remote Keypad

- The keypad permits remote control of Mini Series and function setting and display with copy function
- Connection with the Multi Series using an extension cable for remote operation, function code data setting, monitoring, etc. from the keypad keys and panel.



REMOTE KEYPAD

Item Number	Model HP	Series	Price
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Nema 1 Kit

NEMA1-2.2C1-2	2 & 3	MINI	\$80.00
NEMA1-3.7C1-2	5	MINI	\$90.00

Item Number	Model	Price
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Remote Keypad

TP-E1	Mini Series	\$80.00
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