

Accessories for A/AF/AL & AE contactors

Across the line
contactors

1



TP40DA



VE5-1



VM300H



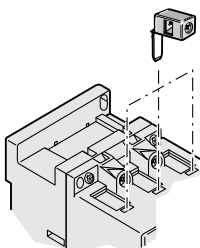
LK75-L



LK75-F



LK110



Pneumatic timers

Mounting on	Timing range	Contacts N.O. N.C.	Catalog number	List price
A9 – A75	On delay 0.1 – 40 s	1 1	TP40DA	\$ 108
AE9 – AE75	On delay 10 – 180 s	1 1	TP180DA	
AL9 – AL40	Off delay 0.1 – 40 s	1 1	TP40IA	
	Off delay 10 – 180 s	1 1	TP180IA	

Interlocks for two horizontally mounted contactors – A9 - A110

Feature	Mounting on	Contacts N.O. N.C.	Catalog number	List price
Mechanical/electrical	A/AE/AL9 – A/AE/AL40	– 2	VE5-1	\$ 45
Mechanical/electrical	A45 – A110	– 2	VE5-2 ①	45
Mechanical	A/AE/AL9 – A/AE/AL40	– –	VM5-1	21

Interlocks for two horizontally mounted contactors – A95 - AF1250 contactors

Feature	Left contactors	Right contactors	Catalog number	List price
Mechanical	A95 – A300	A145 – A300	VM300H	\$ 110
Mechanical	A210 – A300	AF400 – AF460	VM300/460H	130
Mechanical	AF400 – AF1250	AF400 – AF1250	VM750H	150

Interlocks for two vertically mounted contactors – A95 - AF1250 contactors

Feature	Top contactor	Bottom Contactor	Catalog number	List price
Mechanical	A95 – A300	A145 – A300	VM300V	\$ 205
Mechanical	A210 – A300	AF400 – AF460	VM300/460V	250
Mechanical	AF400 – AF1250	AF400 – AF1250	VM750V	270

Interlocks for two horizontally mounted contactors – AF1350 - AF2050 contactors

Feature	Left contactor	Right Contactor	Catalog number	List price
Mechanical	AF1350 – AF2050	AF1350 – AF2050	VM1650H	\$ 655

Auxiliary lead terminals

Connections	Mounting on	Catalog number	List price
Connects from side	A50 – A75	LK75-L	\$ 15
Connects from top	A50 – A75	LK75-F	15
Connects from side	A95 – A110	LK110	23

① Use type VE 5-2 for mechanical and electrical interlocking between A30/A40 and A50 - A75 contactors.

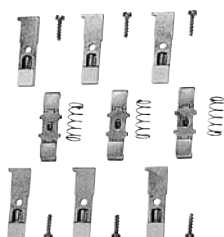
Accessories for A/AE/AL/AF contactors



ATK185



ATK750/3



ZL75



ZL145



WB75A-04



BA5-50

Terminal lug kits (Set of 3)

Wire range	For contactor	Catalog number	List price
6 – 300 MCM	A145 – A185	ATK185	\$ 45
4 – 400 MCM	A210 – A300	ATK300	68
(2) 4-500 MCM	A210 – A300	ATK300/2	110
(2) 2/0 – 500 MCM	AF400 – AF580	ATK580/2	150
(3) 2/0 – 500 MCM	AF580 – AF1250	ATK750/3	225
(4) 4/0 – 500 MCM	AF1350	ATK1350/4	235
(4) 1/0 – 750 MCM	AF1350 – AF2050	ATK1650/4	335
(6) 1/0 – 750 MCM	AF1350 – AF2050	ATK1650/6	560

Contact kits

For contactors		Catalog number	List price
3 Pole			
A/AE/AF50		ZL50	\$ 113
A/AE/AF63		ZL63	135
A/AE/AF75		ZL75	158
A/AE/AF95		ZL95	225
A/AE/AF110		ZL110	255
A/AF145		ZL145	300
A/AF185		ZL185	420
A/AF210		ZL210	525
A/AF260		ZL260	855
A/AF300		ZL300	1,020
AF400		ZL400	1,716
AF460		ZL460	2,434
AF580		ZL580	3,795
AF750		ZL750	3,960
AF1250		ZL1250	5,280
AF1350		ZL1350	4,255
AF1650		ZL1650	4,890
AF2050		ZL2050	6,290
4 Pole			
A/AE45		ZLT45	150
A/AE50		ZLT50	150
A/AE75		ZLT75	210
3 Pole			
UA50		ZLU50	150
UA75		ZLU75	215
UA95		ZLU95	306
UA110		ZLU110	347

Mechanical latches

For contactors	Catalog number	List price
A9 - A75, AE45 - AE75, & AL9 - AL40	WB75A-Δ	\$ 84

Δ - Coil voltage suffix. Refer to Coil Voltage Selection chart and substitute the desired coil voltage suffix for the Δ.

Coil voltage selection chart – mechanical latches for A, AE & AL contactors

50 Hz (AC/DC)	60 Hz (AC)	Voltage code	50 Hz (DC)	60 Hz (AC)	Voltage code
24	24 – 28	01	220 – 230	220 – 255	06
42	42 – 48	02	230 – 240	230 – 277	05
48	48 – 55	03	380 – 415	380 – 440	07
110	110 – 127	04	415 – 440	440 – 480	08

Range: WB75A for contactors A9 – A75, AL9 – AL40, AE45 – AE75 and control relays N and NL.

Description: WB75A block: contains a mechanical latching device with electromagnetic impulse unlatching (AC or DC) or manual unlatching. Captive screw type connecting terminals, built-in cable clamps, M 3.5 (=, -) posidrive 1 screw with screwdriver guidance, delivered untightened and protected against accidental direct contact.

Operation: After closing, the contactor continues to be held in the closed position by the latching mechanism should the supply voltage fail at the contact coil terminals.

Contact opening can be controlled:

- Electrically by an impulse* (AC or DC) on the WB75A block coil. The coil is not designed to permanently energized.
- Manually by pressing the pushbutton on the front face of the WB75A block.

Mounting: WB75A is clipped onto the front face of the contactor.

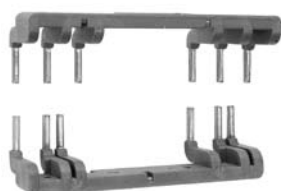
Identification markers

Mounting on	Coil voltage	Catalog number	List price
A/AE/AL/AF9 – A/AE/AL/AF110	Pack of 50	BA5-50	\$ 15

Accessories for A/AE/AL/AF contactors

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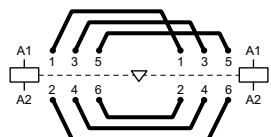
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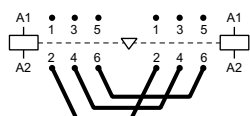
BER...



BEM...



BEM circuit diagram



BES110 connection diagram



BED...



BEY...

Connection kits for reversing

Mounting on 3 pole contactors	Catalog number	List price
A/AE/AL9 – A/AE/AL16 A/AE/AL26 – A/AE/AL40	BER16V BER40V	\$ 35 49
A/AE/AF50 – A/AE/AF75 A/AE/AF95, A/AE/AF110 A/AF145 – A/AF185 A/AF210 – A/AF300	BEM75-30 BEM110-30 BEM185-30 BEMA300-30	165 180 260 470
AF400 – AF460 AF580 – AF750	BEM460-30 BEM750-30	850 1,200

Application

Connections between the main poles of **two 3 pole contactors** mounted side by side so that they operate as reversing contactors.

Description

The connection kits for reversing contactors are made up of three reversing connections and three phase to phase connections.

- BER16V – Molded plastic, solid copper bars
- BER40V – Molded plastic, solid copper bars
- BEM75 and 110-30 – Insulated, solid copper bars

Connection kits for phase to phase

Mounting on 3 pole contactors	Catalog number	List price
A/AE/AF50, A/AE/AF75 A/AE/AF95, A/AE/AF110 A/AF145 – A/AF185 A/AF210 – A/AF300	BES75-30 BES110-30 BES185-30 BESA300-30	\$ 75 90 130 200
AF400 – AF460 AF580 – AF750	BES460-30 BES750-30	425 650

The connection kit for phase to phase contactors is made up of three phase to phase bus bars.

Connection kits for wye-delta starters

Mounting on contactors		Catalog number	List price
Line and delta contactor	Wye contactor		
A9	A9	BEY16V-2	\$ 46
A12	A9		
A16	A12		
A26	A16	BEY26-2	76
A30	A26	BEY40-2	76
A40	A26		
A50	A30	BED50U	165
A63	A40		
A75	A50	BED75U	180
A95	A75	BED95U	195
A110	A95	BED110U	225
A145	A110	BED145U	250
A185	A145	BED185U	290
A210	A185	BED210U	375
A260/A300	A210	BED300U	500
AF400/AF460	A260/A300	BED400U	850
AF460	AF400	BED460U	900
AF580	AF400/AF460	BED580U	1,250
AF750	AF580	BED750U	1,450

Application

Connections between the main poles of a wye-delta starter.

Description

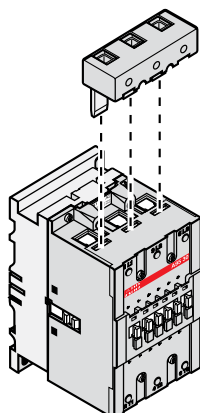
- The connection kits for wye-delta starters are made up of:
- Three line contactor/wye contactor connections – line side.
- Three wye contactor/delta contactor connections – load side.
- The shorting connection for the “S” contactor.

BEY16V-2, BEY26-2, BEY40-2 – Molded plastic, solid copper bars

BED50U thru BED750U – Insulated, solid copper bars.

The above connection sets allow a mechanical interlock unit to be mounted between the wye and delta contactors if required.

Accessories for A/AE/AL/AF contactors



LD110



BEXT-75



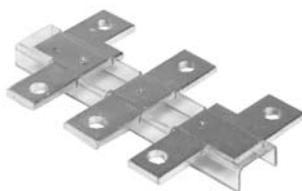
LX...



LT185-AC



LT185-AL



LW...

Additional terminal blocks

Mounting on 3 pole contactors	Wire range	Catalog number	List price
A/AE/AL9 – A/AE/AL16 (set of 2)	16 – 6	LD-16	\$ 20
A/AE/AL26 (set of 2)	14 – 6	LD-26	22
A/AE/AL30 – A/AE/AL40	12 – 4	LD-40	26
A/AE/AF50 – A/AE/AF75	10 – 2	LD-75	28
A/AE/AF95 – A/AE/AF110	8 – 1	LD-110	30

Utilization – The LD series terminal block is designed to increase the connection capacity of the contactor on which it is mounted. The LD 75 and LD110 terminal blocks are mounted in the three independent apertures located above the built-in connectors.

Terminal extensions

Mounting on contactors	Catalog number	List price
A/AE/AF50 – A/AE/AF75	BEXT-75	\$ 15
A/AE/AF95, A/AE/AF110	LW110	95
A/AF145 – A/AF185	LX185	90
A/AF210 – A/AF300	LX300	140
AF400 – AF460	LX460	195
AF580 – AF750	LX750	225

Application

They are designed to increase the width of the contactor terminal pads to allow larger connectors to be mounted.

Description

Terminal extension sets contain 3 bars.

Terminal shrouds – two pieces

For contactor	Catalog number	List price
A/AF145 – A/AF185 for flush mount A/AF145 – A/AF185 for extended mount A/AF145 – A/AF185 for shorting bar LY... between A(F)145 / A(F)185 & TA200DU A/AF210 – A/AF300 for flush mount A/AF210 – A/AF300 for extended mount A/AF210 – A/AF300 for shorting bar LY300	LT185-AC LT185-AL LT185-AY LT300-AC LT300-AL LT300-AY	\$ 10
AF400 – AF460 for flush mount AF400 – AF460 for extended mount AF580 – AF1250 for flush mount AF580 – AF1250 for extended mount	LT460-AC LT460-AL LT750-AC LT750-AL	20

Terminal enlargements

For contactor	Catalog number	List price
A/AF95 – A/AF110 A/AF145 – A/AF185 A/AF210 – A/AF300 AF400 – AF460 AF580 – AF750 AF1250	LW110 LW185 LW300 LW460 LW750 LW1250	\$ 95 120 130 295 355 375

Arc chutes

For contactor	Catalog number	List price
A/AF145 – A/AF185 A/AF210 – A/AF300 A/AF400 – A/AF460 A/AF580 – A/AF750 AF1350 – AF1650	ZW185 ZW300 ZW460 ZW750 ZW1650	\$ 130 180 190 230 215

Accessories for A/AE/AF contactors

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BEA185/S3/S4



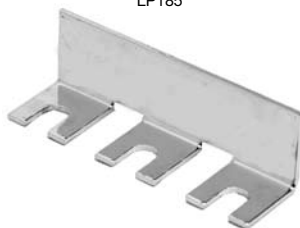
BEAD185D/S3/S4



BEA185H/S4



LP185



LY...

Vertical connection bars between contactor and MCCB – three bars

MCCB	For contactor	Catalog number	List price
T1	A/AE/AF50 – A/AE/AF75	BEA75/T1	\$ 85
T3	A/AE/AF95 – A/AE/AF110	BEA110/T3	95
T3	A/AF145 – A/AF185	BEA185/T3	60
S3, S4	A/AF145 – A/AF185	BEA185/S3/S4	60
T4	A/AF145 – A/AF185	BEA185/T4	70
T4	A/AF210 – A/AF300	BEA210/T4	70
T5	A/AF210 – A/AF300	BEA300/T5	75
T5	A/AF400 – A/AF750	BEA750/T5	115
S5	A/AF210 – A/AF300	BEA300/S5	75
S5 ^①	AF400 – AF460	BEA400/S5	95
S6	AF400 – AF750	BEA750/S6	115

Vertical connection bars between contactor and MCCB – three bars

MCCB	For contactor	Catalog number	List price
S3, S4	A/AF145 – A/AF185	BEA185D/S3/S4	\$ 70
S4	A/AF210 – A/AF300	BEA210D/S4	80
S5	A/AF210 – A/AF300	BEA300D/S5	85
S5	AF400 – AF460	BEA400D/S5	105
S6	AF400 – AF750	BEA750D/S6	125

To be used when power take off is needed (IP00) or with other bus bars. (EX: Reversing, IP20)

Horizontal connection busbars between contactor and MCCB – three bars

MCCB	For contactor	Catalog number	List price
S3, S4	A/AF145 – A/AF185	BEA185H/S4	\$ 150
S4	A/AF210 – A/AF300	BEA210H/S4	220
S5	A/AF210 – A/AF300	BEA300H/S5	220
S5	AF400 – AF460	BEA400H/S5	435
S6	AF400 – AF460	BEA460H/S6	660
S6	AF580 – AF750	BEA750H/S6	670

Shorting bars, 2 pole

For contactor	Catalog number	List price
A/AF145 – A/AF185	LP185	\$ 35
A/AF210 – A/AF300	LP300	50
AF400 – AF460	LP460	50
AF580 – AF750	LP750	50

Shorting bars, 3 pole

For contactor	Catalog number	List price
A/AE45 – A/AE/AF75	LF75	\$ 40
A/AE/AF95 – A/AE/AF110	LY110	40
A/AE/AF145 – A/AE/AF185	LY185	40
A/AE/AF210 – A/AE/AF300	LYA300	60
AF400 – AF460	LY460	60
AF580 – AF750	LY750	60

① Not for use with flange handles.

General information

Field modification kits

A Starters

Start-Stop pushbutton kit – dual element

3

Contactactor/starter size	Catalog number	List price
A9 – AF750	MPSSK	\$ 38

For field installation on NEMA 1 enclosures. Kit includes one dual element pushbutton and hardware. ①

Start-Stop pushbutton kit

Contactactor/starter size	Catalog number	List price
A9 – AF750	MP4SSK4	\$ 48

For field installation on all enclosures. Kit includes two momentary pushbuttons and hardware. ①

Fwd-Rev-Stop pushbutton kit

Contactactor/starter size	Catalog number	List price
A9 – AF750	MPFRK-4	\$ 120

For field installation on all enclosures. Kit includes three momentary pushbuttons and hardware. ①

2 Position selector switch kit

Contactactor/starter size	Catalog number	List price
A9 – AF750	MPSL2K-4	\$ 90

For field installation on all enclosures. Labels for ON-OFF are included. Kits include mounting hardware. ①

3 Position selector switch kit

Contactactor/starter size	Catalog number	List price
A9 – AF750	MPSL3K-4	\$ 90

For field installation on all enclosures. Labels for HAND-OFF-AUTO are included. Kits include mounting hardware. ①

Pilot light kits

Contactactor/starter size	Voltage	Catalog number	List price
A9 – AF750	120 240 480V	MPPLK-41 MPPLK-42 MPPLK-44	\$ 90

For field installation on all enclosures. ①

Reset button kits

Contactactor/starter size	Catalog number	List price
A9 – AF750	KPR3-104B	\$ 14

For field installation on all enclosures. ①

① For use with UL Type 3R, 4, 4X, 12 & 13.