DOL Starters Type EXE0D

Plastic Enclosure to IP66
Installation Instructions   Issue 10

CE   PACK
IEC947-4-1

1.   Remove cover from starter.

2.   Select and fit Overload (see ratings chart below).

3.   Connect leads provided from - terminal 14 to Overload 95 and terminal A2 to Overload 96.

4.   Check operating coil voltage and frequency.

5.   Remove appropriate top/bottom knockouts. Attach conduit bushes to conduit.

6.   Mount base and connect to bushes. If continuous grounding is required fit separate bonding strip

7.   For on-site control circuit conversions see overleaf.

8.   Connect cables and ensure that all terminations are tight.

9.   When installed, set the Hand/Auto selector and adjust the current calibration to the desired value. (See below)

10.   Replace cover and secure

11.   Note: If an extra control device is required, see overleaf.

Ratings

Order references Coil Voltages (50Hz) 230V	400V	Requires Overload	Overload rating Full load A min.	max.	Approximate motor rating 400V/3PH AC3 KW	hp	230V/1PH AC3 KW	hp	Recommended max. fuse size for short circuit protection A
		TA25DU1.4 1SAZ211201R1023	1.0	1.4	**0.37**	0.55	**0.07**	0.09	4
		TA25DU1.8 1SAZ211201R1025	1.3	1.8	**0.55**	0.75	**0.1**	0.125	10
		TA25DU2.4 1SAZ211201R1028	1.7	2.4	**0.75**	1.0	**0.18**	0.25	
122EXE0D-OL 1TVL300212E5099	**124EXE0D-OL** 1TVL300412E5099	**TA25DU3.1** 1SAZ211201R1031	2.2	3.1	**1.1**	1.5	**0.25**	0.33	
		TA25DU4.0 1SAZ211201R1033	2.8	4.0	**1.5**	2.0	**0.37**	0.5	20
		TA25DU6.5 1SAZ211201R1038	4.5	6.5	**2.2**	3.0	**0.55**	0.75	
		TA25DU11 1SAZ211201R1043	7.5	11.0	**4.0**	5.5	**1.1**	1.5	35
		TA25DU14 1SAZ211201R1045	10.0	14.0	**5.5**	7.5	**1.5**	2.0	
182EXE0D-OL 1TVL300216E5099	**184EXE0D-OL** 1TVL300416E5099	**TA25DU19** 1SAZ211201R1047	13.0	19.0	**7.5**	10.0	**2.2**	3.0	

Note: This product is not suitable for d.c. applications.

Terminal capacity

	Main	**Auxiliary**
Contactor	1 x 4mm^2 or 2 x 2.5mm^2	1 x 4mm^2 or 2 x 2.5mm^2
Overload	1 x 10mm^2 or 2 x 6mm^2	2 x 2.5mm^2

Summary

A direct-on-line motor starter with ingress protection to IP66. Two-tone plastic enclosure with ABS lid and base.

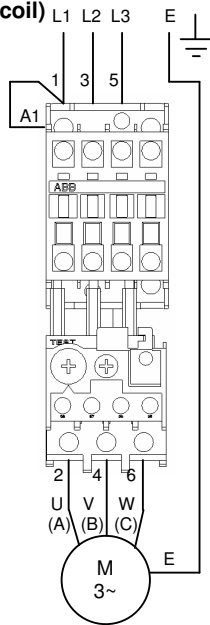**Trip class 10 requirements IEC 947-4-1**

1.05 x FLC	No tripping
1.2 x FLC	Trip within 2 hours
1.5 x FLC	Trip within 4 minutes
7.2 x FLC	Trip between 4s and 10s

NOTE: FLC = Full load current

ABB

Connection Data

Type 4 (400Vcoil) L1 L2 L3   E

1   3   5

A1

2   4   6

U   V   W
(A) (B) (C)

M 3~   E

Type 2 (230V coil) N   L1 L2 L3   E

1   3   5

A1

2   4   6

U   V   W
(A) (B) (C)

M 3~   E

N   L   E

1   3   5

A1

2   4   6

N   L

M 1~   E
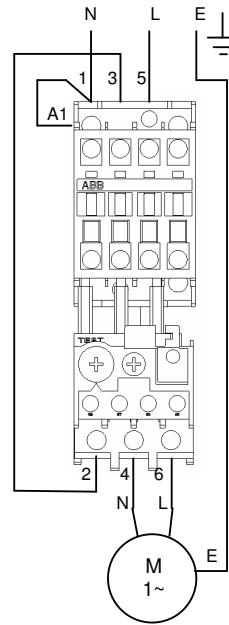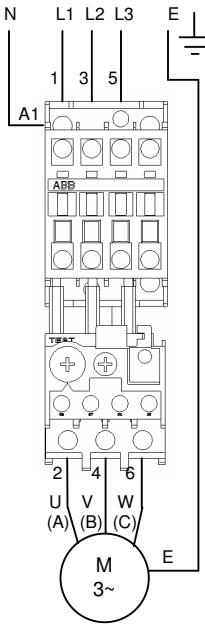
Note: For Single phase Operation link 1 to A1, 3 to 2 as shown.

Circuits

Standard circuit

N   L1   L2   L3

1   3   5

A1

C

A2

13   Start

14

97   95   Stop/reset

98   96

2   4   6

U   V   W
(A) (B) (C)

M 3~
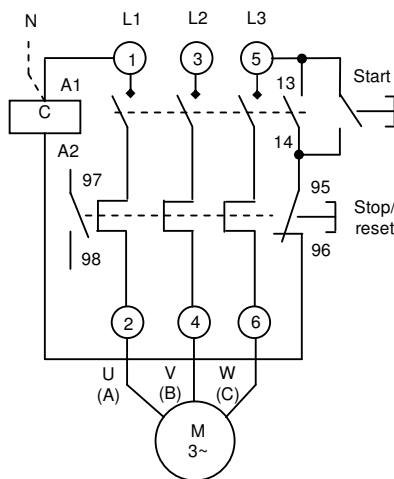
Special circuits
Line-to-line plus remote 3-wire control

L3

5

13   Start   Remote start

14

Remove link   Remote stop

95

96   Stop/reset

A2

C

A1

1

L1

Two-wire controls

Control contact

L3

5   Remove link

13

14

95

96   Reset

A2

C

A1

1

L1
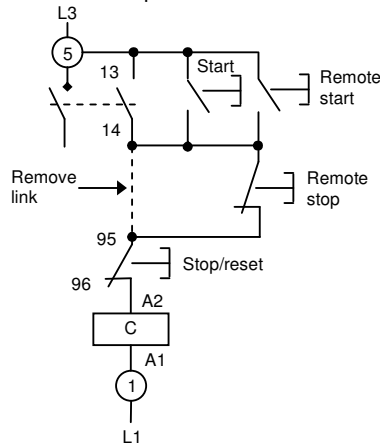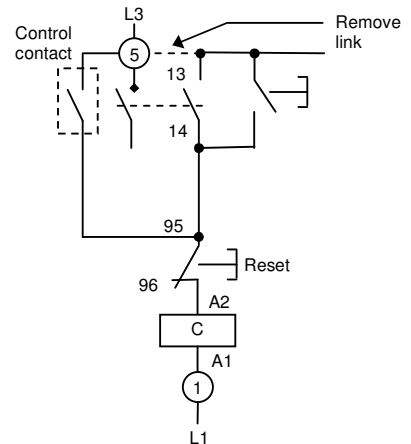
Fitting an extra control device
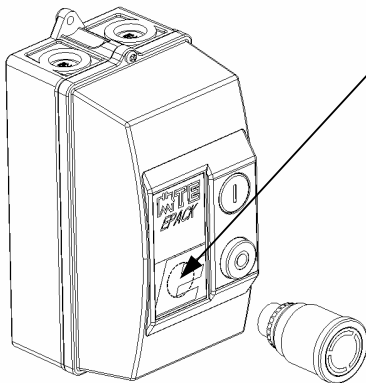
A knockout is provided in the lid of the EXE0 for an extra control device.

1. Remove lid of starter
2. Cut around serrated label insert and remove
3. Remove front 22mm knockout.
4. Fit control device kit.

Control device kits

ESPBKIT   Emergency Stop (EN418): Comprises 40mm E-stop button, n.c. contact block.

PLPBKIT   Pilot Lamp (230v only): Comprises Green compact LED 230v Pilot Lamp.

HAPBKIT   2 Position Switch: Comprises compact 2 position switch 1 n.o + 1 n.c contacts.

N.B. Space is available to fit standard ABB top and side mounting auxiliary contact blocks.

ABB