

Installation Instructions

Starters Type: EXE0-D Issue 3

CE
IEC 947-4-1



Installation

- Remove cover from starter.
IF OVERLOAD IS ALREADY FITTED GO TO 4.
- Fit extra hook supplied with AXE0 and hook overload onto contactor. Ensure overload connecting blades are fully inserted under terminal clamps before tightening terminal screws.
- Wiring to overload**
Connect leads provided from - terminal 14 to terminal 95 and terminal A2 to terminal 96.
- Check operating coil voltage and frequency and overload current range.
- Remove appropriate top/bottom conduit knockouts. Attach conduit bushes to conduit.
- Mount base and connect to bushes. If continuous grounding is required fit separate bonding strap.

For on-site control-circuit conversions refer over page.
- Connect cables and ensure that all terminations are tight.
- When installed, set the Hand/Auto reset-trip class selector and adjust the current calibration to the desired value (See below)
- Replace cover and secure.
- Note: If an extra control device is required, see over.

Ratings

Order references		Full load current		Approximate motor rating				Recommended max. fuse size for short circuit protection A
Coil voltages (50Hz) 230V	400V	min.	max.	400V/3PH AC3 kW	hp	230V/1PH AC3 kW	hp	
12 EXE0-D	14 EXE0-D	0.5	1.3	0.37	0.55	0.07	0.09	4
32 EXE0-D	34 EXE0-D	1.3	3.2	0.55	0.75	0.1	0.125	10
				0.75	1.0	0.18	0.25	
				1.1	1.5	0.25	0.33	
62 EXE0-D	64 EXE0-D	3.2	8.0	1.5	2.0	0.37	0.5	20
				2.2	3.0	0.55	0.75	
82 EXE0-D	84 EXE0-D	6.4	10.0	4.0	5.5	0.75	1.0	35
122 EXE0-D	124 EXE0-D	6.4	13.0	5.5	7.5	1.5	2.0	
182 EXE0-D	184 EXE0-D	6.4	16.0	7.5	10.0	2.2	3.0	

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

Terminal capacity

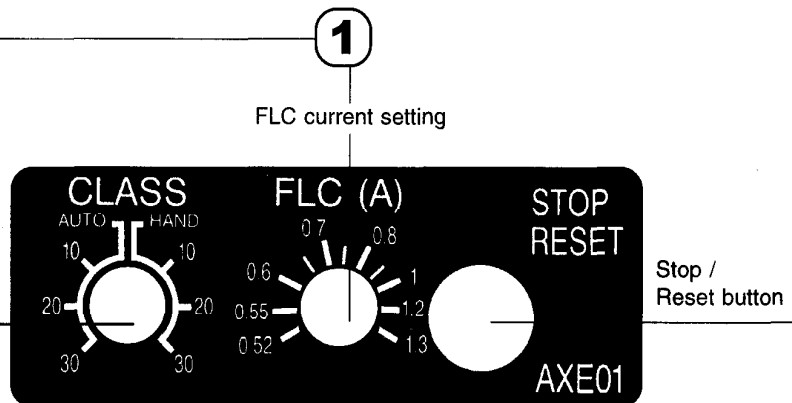
	Main	Auxiliary
Contactor	1 x 4mm ² or 2 x 2,5mm ²	1 x 4mm ² or 2 x 2,5mm ²
AXE0	1 x 10mm ² or 2 x 6mm ²	2 x 2,5mm ²

Summary

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

AXE0 overload settings

- Select current setting required - using right hand dial.
- Choose between hand or automatic reset and select the trip class required. MTE suggest Class 10 (See below)
Auto Reset
There is a 2 minute delay before auto reset.



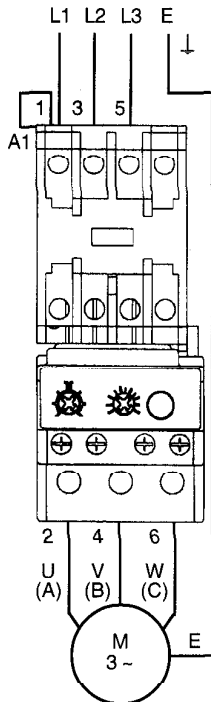
Trip class requirements IEC 947-4-1

Class 10		Class 20		Class 30	
1.05 x FLC	No tripping	1.05 x FLC	No tripping	1.05 x FLC	No tripping
1.2 x FLC	Trip within 2 hours	1.2 x FLC	Trip within 2 hours	1.2 x FLC	Trip within 2 hours
1.5 x FLC	Trip within 4 minutes	1.5 x FLC	Trip within 8 minutes	1.5 x FLC	Trip within 12 minutes
7.2 x FLC	Trip between 4s & 10s	7.2 x FLC	Trip between 6s & 20s	7.2 x FLC	Trip between 9s & 30s

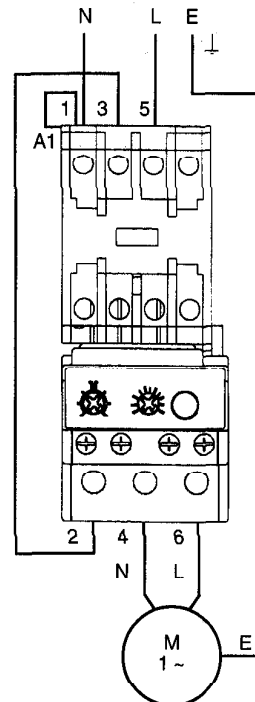
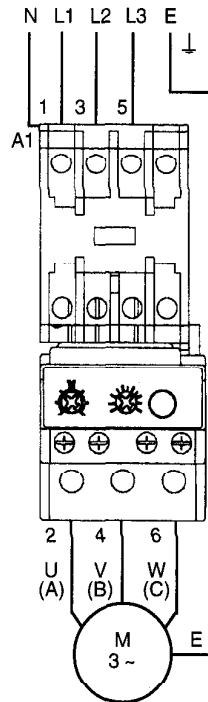
NOTE: FLC = Full load current

Connection Data

Type (400V Coil)



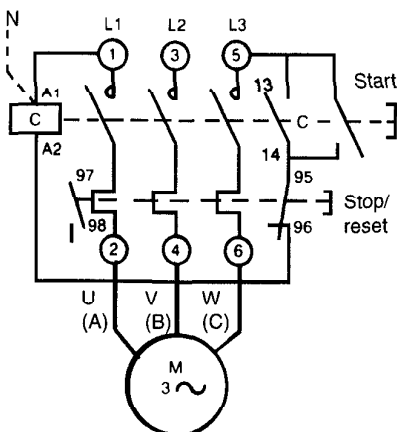
Type (230V Coil)



Note: For single phase operation link 1 to A1, 3 to 2 as shown.

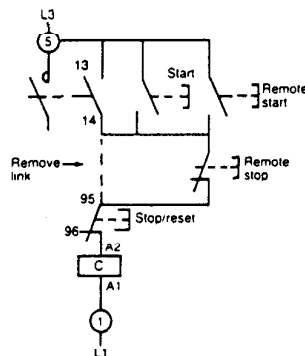
Circuits

Standard circuit

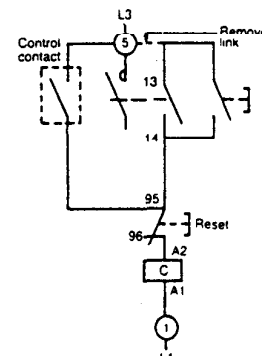


Special circuits

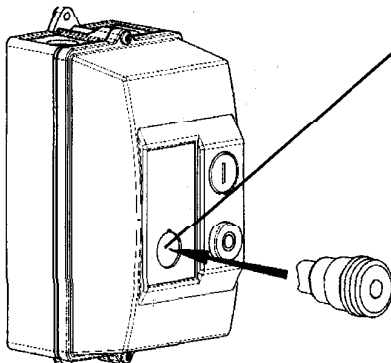
Line-to-line plus remote 3-wire control



Two-wire controls

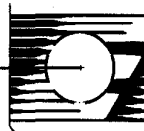


Fitting an extra control device



A knockout is provided in the lid of the EXEO 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 37mm E-Stop button, N.C. contact block, E-Stop label.

PLPBKIT - Pilot lamp (230V only) comprises green pilot lamp, 130V bulb 230V/130V dropper resistor block.

HAPBKIT - 2 position switch comprises - 2 position switch, 1n.o. + 1n.c. contact block.



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