

DOL Starter

Plastic Enclosure to IP65

IEC947-4-1 Issue 1

Installation Instructions



Installation

- Remove cover by releasing 2 off screws with a screwdriver.
- Wiring to overload:
- Connect leads provided from – terminal 14 to terminal 95 and terminal A2 to terminal 96
- Check operating coil voltage and frequency
- Remove appropriate top/bottom 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 see overleaf.
- Connect cables and ensure that all terminals are tight.
- When installed, set the hand/auto rest selector and adjust the current calibration to the desired value.
- Replace cover and re-tighten cover screws.
- Note: If an extra control device is required, see overleaf.

Overload Selection

Order references	Overload rating Full load A		Approximate motor rating 400V/3PH 230V/1PH AC3				Recommended max. fuse size for short circuit protection A
	Min.	Max.	kW	hp	kW	hp	
TA25DU1.4	1.0	1.4	0.37	0.55	0.07	0.09	4
TA25DU1.8	1.3	1.8	0.55	0.75	0.1	0.125	10
TA25DU2.4	1.7	2.4	0.75	1.0	0.18	0.25	
TA25DU3.1	2.2	3.1	1.1	1.5	0.25	0.33	
TA25DU4.0	2.8	4.0	1.5	2.0	0.37	0.5	20
TA25DU6.5	4.5	6.5	2.2	3.0	0.55	0.75	
TA25DU11	7.5	11.0	4.0	5.5	1.1	1.5	35
TA25DU14	10.0	14.0	5.5	7.5	1.5	2.0	
TA25DU19	13.0	19.0	7.5	10.0	2.2	3.0	
TA25DU25	18.0	25.0	11.0	15.0	3.0	4.0	80
TA25DU32	22.0	32.0	15.0	20.0	4.0	5.5	

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

Terminal capacity

	Main	Auxiliary
Contact	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.

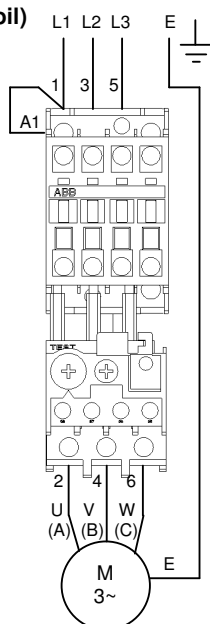
Trip class 10 requirements IEC 947-4-1

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

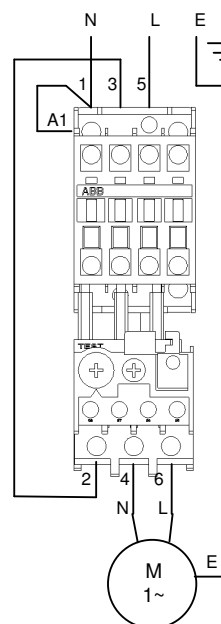
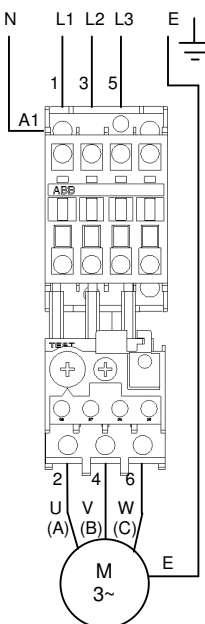
NOTE: FLC = Full load current

Connection Data

Type (400V coil)



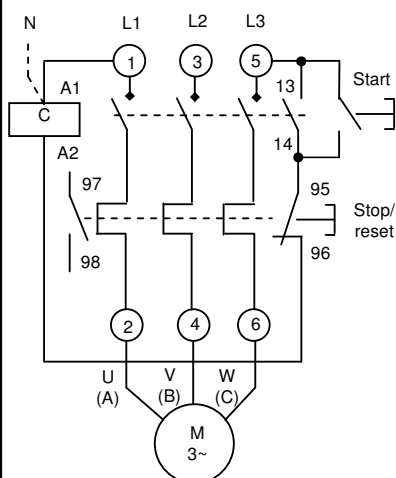
Type (230V coil)



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

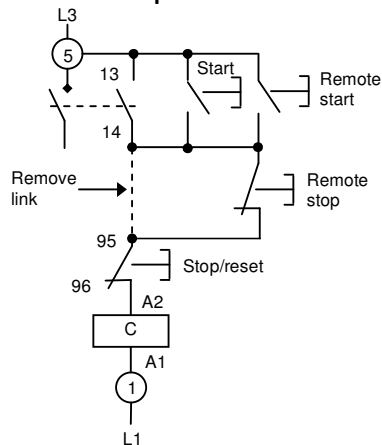
Circuits

Standard circuit

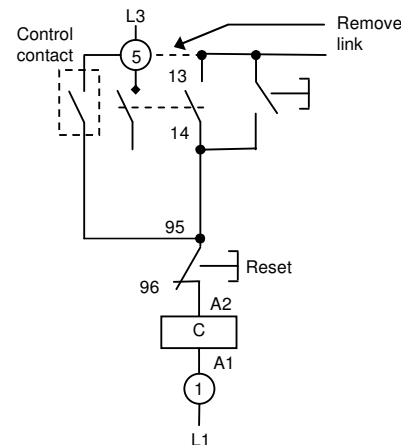


Special circuits

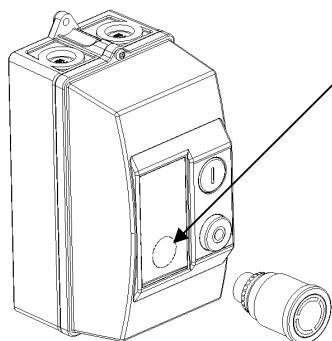
Line-to-line plus remote 3-wire control



Two-wire controls



Fitting an extra control device



A knockout is provided in the lid of the DOL 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.

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