

DOL Starter

Metal Enclosure to IP55
IEC947-4-1 Issue 1
Installation Instructions



Installation

- Remove cover by releasing 4 corner 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 conduit knockouts.
- Mount base on a vertical surface using 4 off fixing points. To ensure environmental protection cover screws internally with supplied caps. See Figure 1.
- Connect conduit bushes
- Connect cables and ensure that all terminals are tight. Refer below for details.
- When installed, set the hand/auto rest selector and adjust the current calibration to the desired value.
- Replace cover and re-tighten cover screws.

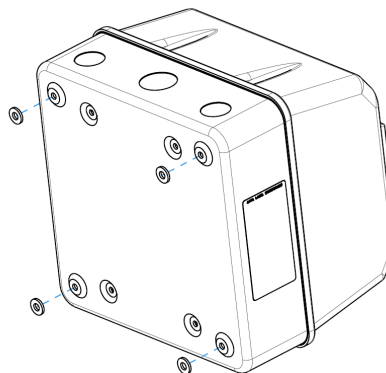
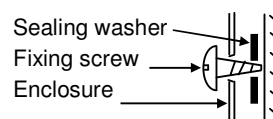


Figure 1



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
Contactors	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 IP55. Metal enclosure.

Trip class 10 requirements IEC 947-4-1

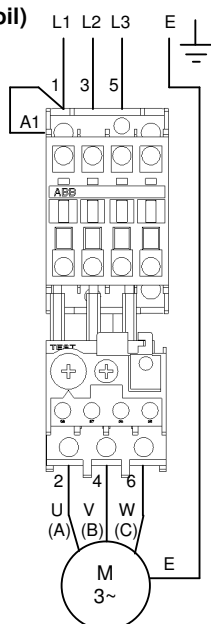
1.05 x FLC	No tripping
1.2 x FLC	Trip within 2 hours
1.5 x FLC	Trip within 4 minutes
7.2 x FLC	Trip between 4s and 10s

NOTE: FLC = Full load current

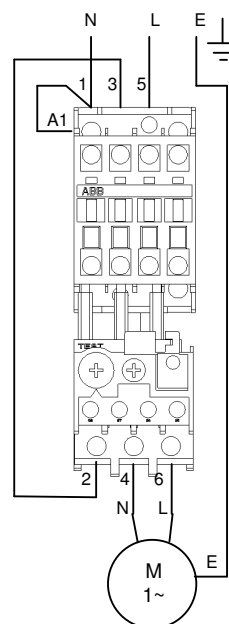
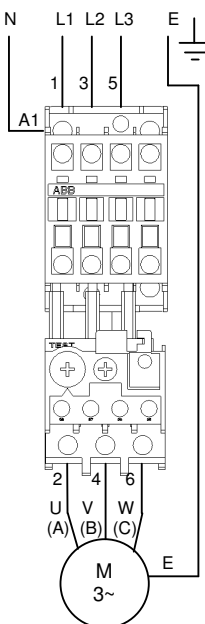
1TVS013163P0300 Rev1 03/1

Connection Data

Type (400Vcoil)



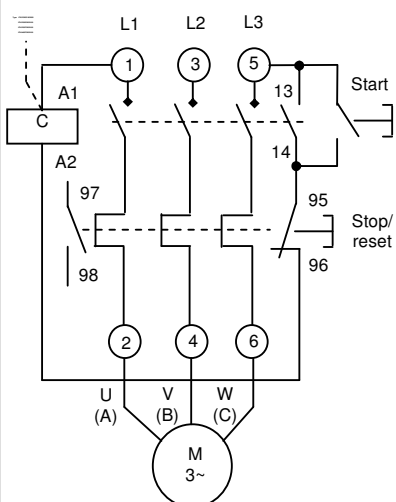
Type (230V coil)



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

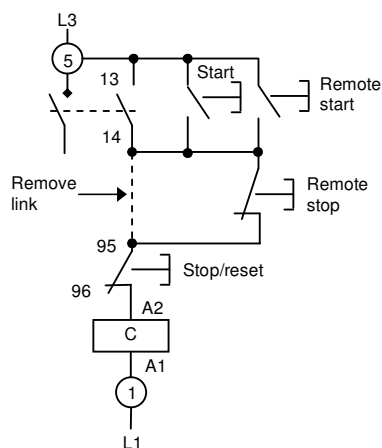
Circuits

Standard circuit

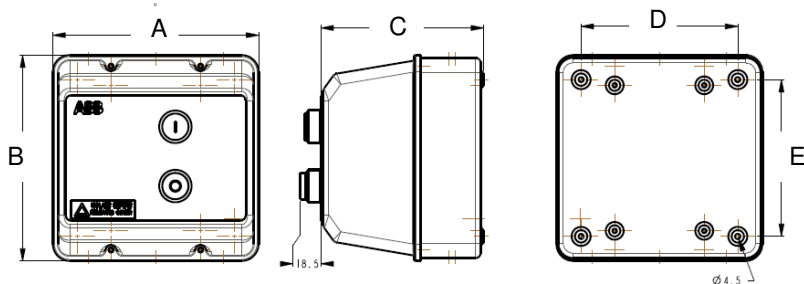
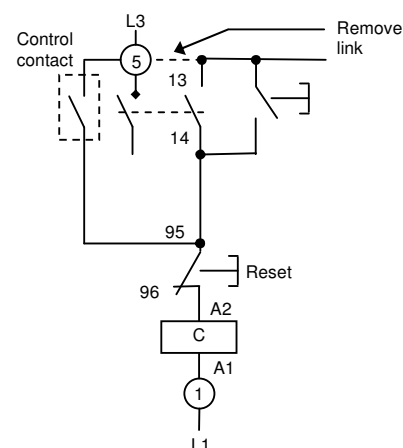


Special circuits

Line-to-line plus remote 3-wire control

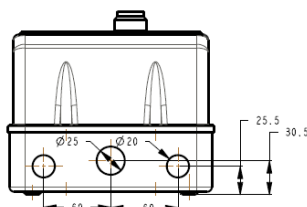


Two-wire controls



Type 1TVS230550S5099
1TVS230550S5099
1TVS230750S5099
1TVS400750S5099

4 x 20mm Knockouts (2T&2B)
2 x 25mm Knockouts (1T&1B)



Type	A	B	C	D	E
ALL VERSIONS	184	184	146	140	140