

Switched DOL Starters

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.

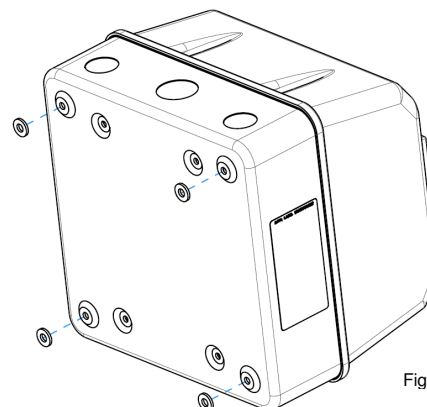
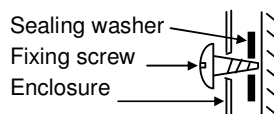


Figure 1



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

Isolator	Main
All ratings	0.75...10mm ²

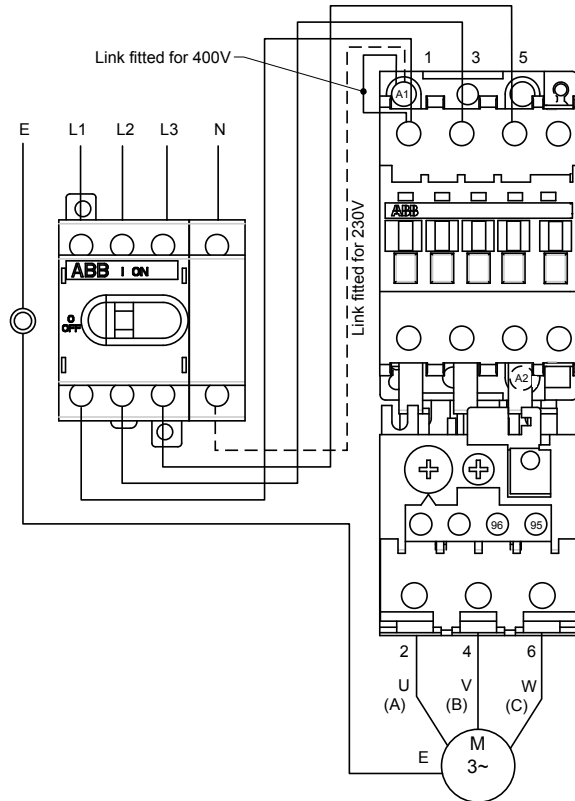
Overload	Main	Auxiliary
< 7.5kW	4mm ²	1x4mm ² / 2x2.5mm ²
11kW	4mm ²	" "
15kW	6mm ²	" "

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Trip class 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

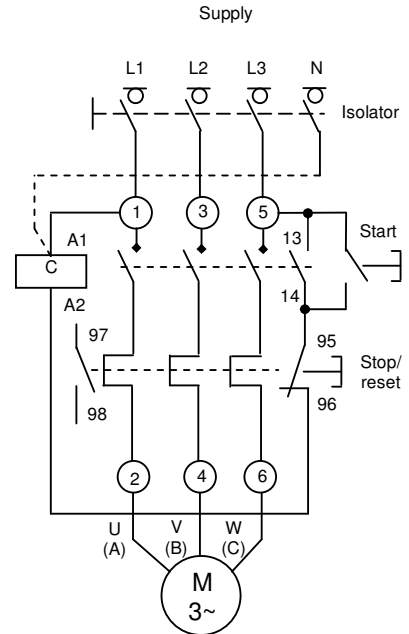
NOTE: FLC = Full load current



Features

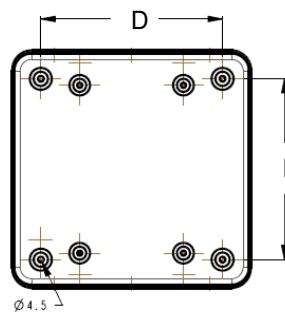
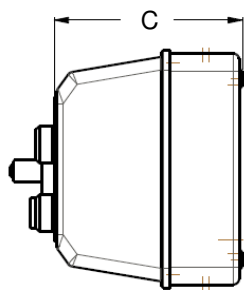
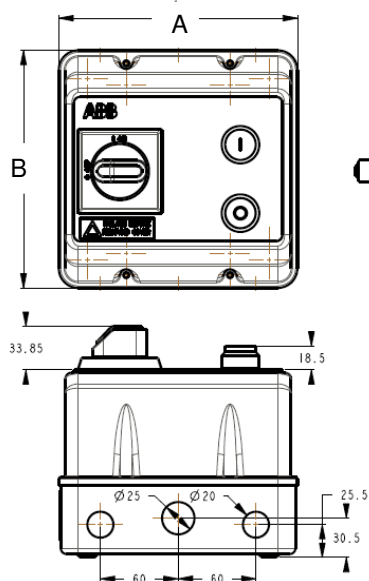
A direct-on-line starter with isolator housed in a metal enclosure. Ingress protection to IP55.

Circuit



Connection Data

Type 1TVS230551S5099 (230V coil)
 1TVS230551S5099 (400V coil)
 1TVS230751S5099 (230V coil)
 1TVS400751S5099 (400V coil)



Type 1TVS230551S5099
 1TVS230551S5099
 1TVS230751S5099
 1TVS400751S5099

4 x 22.5mm Knockouts (2T&2B)
 2 x 25mm Knockouts (1T&1B)

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