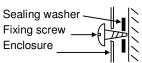
Star-Delta Starter with Isolator

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

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.



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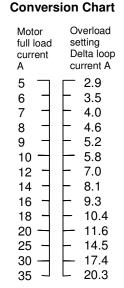
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Overload Selection

Order references	Overload in delta- loop 0.58 FLC (A) min. max.		Approximate motor rating 400V/3PH AC3 KW hp		Recommended max. fuse size for short circuit protection (A)
TA25DU2.4	1.7	2.4	1.5	2.0	
TA25DU3.1	2.2	3.1	1.8	2.5	10
TA25DU4.0	2.8	4.0	2.2	3.0	
TA25DU5.0	3.5	5.0	3.0	4.0	
TA25DU6.5	4.5	6.5	4.0	5.5	20
TA25DU8.5	6.0	8.5	5.5	7.5	-
TA25DU11	7.5	11.0	7.5	10.0	- 35
TA25DU14	10.0	14.0	11.0	15.0	
TA25DU19	13.0	19.0	15.0	20.0	80
TA25DU32	24.0	32.0	22.0	30.0	80



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

Terminal capacity

Supply terminals	Main
All ratings	6mm²

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

Note : Overload relay is fitted in the delta loop. It is therefore necessary to use the conversion chart to obtain correct overload setting for a particular motor full load current.

Overload	Main	Auxiliary
< 7.5kW	4mm ²	1x4mm ² / 2x2.5mm ²
11kW	4mm ²	
15kW	6mm ²	
22kW	6mm ²	" "

Summary:

A range of star-delta motor starters with ingress protection to IP55. Metal enclosure.

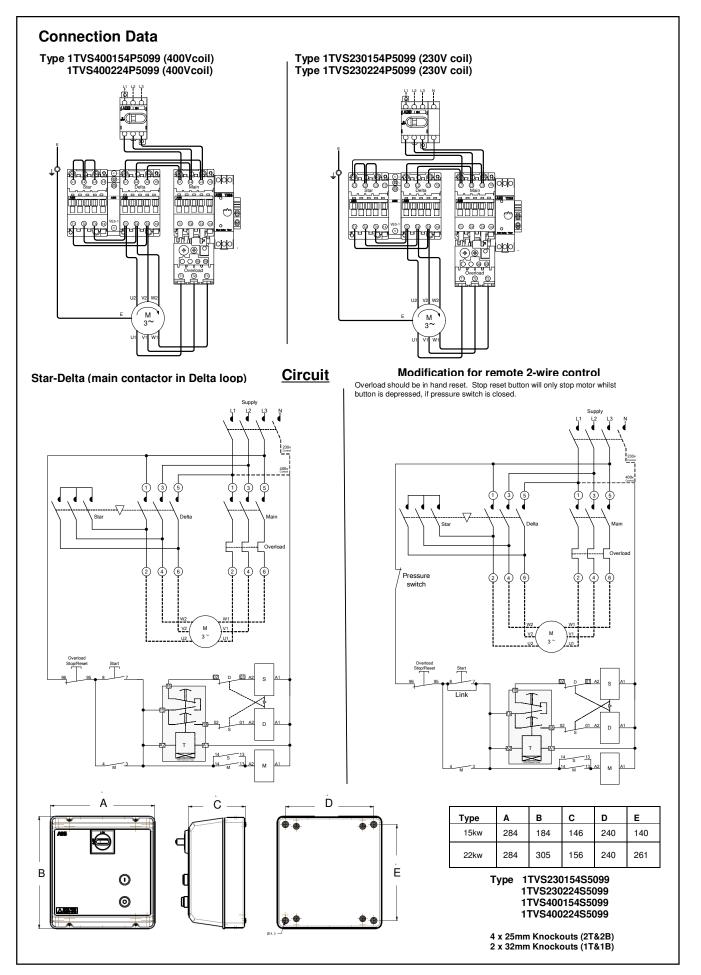
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ABB

Figure 1

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