## Star-Delta Starters with Isolator Type EXE2SI



06.012230.10E 0808

Metal Enclosure to IP65

Installation Instructions Issue 10

- 1. Remove cover from starter by releasing catches with a screwdriver.
- 2. Select overload: (see ratings / conversion charts below).
- 3. Connect leads provided from Main Auxiliary 4 to Overload 95 and Main 5/L3 to Overload 96.
- 4. Check operating coil voltage and frequency.
- 5. Remove appropriate top/bottom knockouts.
- 6. Mount base on a vertical surface using top keyhole slots for quick positioning and secure with screws in lower plain holes.
- To maintain environmental protection, ensure that rubber washers are fitted to fixing screws on outside of enclosure.
  Use large washer for keyhole fixing.
  Rubber washer \_\_\_\_\_\_
- 8. Connect conduit bushes.
- 9. Connect cables and ensure that all terminals are tight.
- 10. When installed, set the hand/auto reset selector and adjust the current calibration to the desired value.
- 11. Replace cover and secure catches.

## Ratings

Starter Order references			Overload rating Full load A		Approximate motor rating				
Coil Voltages (50Hz)		Requires Overload			400V/3PH AC3		230V/3PH AC3		Recommended max. fuse size for short circuit protection A
230V	400V		min.	max.	KW	hp	KW	hp	-
<b>312EXE2SI-OL</b> 1TVL405216E5099	<b>314EXE2SI-OL</b> 1TVL405416E5099	TA25DU8.5 1SAZ211201R1040	6.0	8.5	5.5	7.5	3.0	4.0	20
		TA25DU14 1SAZ211201R1045	10	14	11	15.0	5.5	7.5	35
		TA25DU19 1SAZ211201R1047	13	19	15	20.0	7.5	10.0	80
452EXE2SI-OL 1TVL405226E5099	454EXE2SI-OL 1TVL405426E5099	TA25DU32 1SAZ211201R1053	24	32	22	30.0	11.0	15.0	80

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

## **Terminal capacity**

Isolator	Main
All ratings	0.7510mm <sup>2</sup>

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

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

Fixing screw -Enclosure —

## Summary

A range of star-delta motor starters with isolator Ingress protection to IP65. Painted steel enclosure.

**N.B.** Space is available to fit standard ABB top and side mounted auxiliary contacts.





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