MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SE7090-0XX84-1GA1

VSB VOLTAGE SENSING BOARD

Used with the applicable SIMOVERT MASTERDRIVES AFE configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens SIMOVERT MASTERDRIVES AFE, section 15.1

15.1 Electrical components

15.1.1 AFE basic mains module

Position	Equipment designation		Brief description
1	-A52	VSB module	Line angle and voltage sensing 6SE7090-0XX84-1GA1
2	-K1	Main contactor	Main contactor 230 V, 50/60 Hz 3RT1476-6AP36 (for 370 ... 590 A) 3RT1466-6AP36 (for 210 ... 315 A) 3RT1456-6AP36 (for 146 ... 186 A) 3RT1446-1AL20 (for 92 ... 124 A)
3	-K1 -Z1	Varistor	Main contactor accessory
4	-K4	Contactor	Precharging contactor 230 V, 50/60 Hz 3RT1035-1AL20 (for 510 ... 590 A) 3RT1025-1AL20 (for 210 ... 370 A) 3RT1016-1AP01 (for 92 ... 186 A)
5	-Z4	Varistor	for contactor 230 V, 50/60 Hz
6	-R1...R3	Resistor	Precharging resistors 5 Ohm 5 Ω 6SY7000-0AF51 (for 210...370 A) 10 Ω 6SX7010-0AC80 (for 92...186 A)
7		Cable harness	Signal exchange with AFE inverter 6SY7000-0AE62

Table 15-1 Components of the AFE basic mains module