SIRIUS 3RW40 S12

Product Data Sheet

3RW4076-6BB44

SIRIUS S12 soft starter

STARTER SIZE	RATED CURRENT AT 40 DEG C	RATED CURRENT AT 50 DEG C	RATED CURRENT AT 60 DEG C
S12	**432 A**	**385 A**	**335 A**

Siemens 3RW4076-6BB44 is a SIRIUS 3RW40 size S12 soft starter rated 432 A at 40 deg C and 250 kW for a 400 V three-phase motor. The motor circuit operates at 200-460 VAC, while the control circuit requires 230 VAC at 50 or 60 Hz. Integrated bypass contacts reduce losses once the motor has completed its starting ramp.

01 TECHNICAL DATA

Starter size	S12
Rated current at 40 deg C	432 A
Rated current at 50 deg C	385 A
Rated current at 60 deg C	335 A
Motor output at 400 VAC	250 kW at 40 deg C
Motor output at 230 VAC	132 kW at 40 deg C
Motor-circuit voltage	200-460 VAC
Control supply	230 VAC, 50/60 Hz
Rated line frequency	50-60 Hz
Rated insulation voltage	600 V

02 ADDITIONAL PRODUCT DATA

Minimum load	20%
Minimum overload current setting	207 A
Typical operating power loss	165 W at rated current and 40 deg C
Electrical connections	Main: busbar; auxiliary/control: screw terminals
Operating ambient temperature	-25 to +60 deg C; derating above 40 deg C

03 PRODUCT FUNCTION

The unit includes electronic overload and device protection, adjustable current limitation and external reset. Its rated current falls to 385 A at 50 deg C and 335 A at 60 deg C. Main-circuit connections are busbars and auxiliary/control connections are screw terminals; inside-delta connection and thermistor evaluation are not integrated in this execution.

04 SYSTEM COMPATIBILITY

Use the size S12 mounting pattern and provide the specified free space: 100 mm above, 75 mm below and 5 mm at the sides. Main power connections are busbars; auxiliary and control connections use screw terminals. Size conductors, circuit protection and enclosure ventilation for the installed motor and duty cycle.

05 REFERENCE

Siemens 3RW4076-6BB44 technical data sheet, 08.10.2021, pp.1-4.

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