SIRIUS 3RM1 COMPACT STARTERS

Product Data Sheet

3RM1007-1AA04

Hybrid direct motor starter

MOTOR CURRENT ADJUSTMENT	MOTOR POWER AT 400 V	MAIN OPERATING VOLTAGE	CONTROL VOLTAGE
1.6 to 7 A	**0.55 to 3 kW**	**48 to 500 V AC**	**24 V DC; 19.2 to 30 V**

Siemens 3RM1007-1AA04 is a SIRIUS 3RM1 direct-on-line starter combining hybrid switching with electronic overload protection. It has a 1.6-7 A setting range and supports 0.55-3 kW three-phase motors at 400 V. This version uses screw terminals and a 24 V DC control supply.

01 TECHNICAL DATA

Motor current adjustment	1.6 to 7 A
Motor power at 400 V	0.55 to 3 kW
Main operating voltage	48 to 500 V AC
Control voltage	24 V DC; 19.2 to 30 V
Connection terminals	Screw terminals
Main switching poles	3, hybrid contacts
Starting current capability	56 A maximum
Auxiliary changeover contact	1 CO
Auxiliary AC-15 contact	3 A maximum at 230 V
Auxiliary DC-13 contact	1 A maximum at 24 V

Siemens 3RM1007-1AA04 manufacturer specification, applicable pages 1, 2, 3, 5.

02 ADDITIONAL PRODUCT DATA

Digital command current	11 mA for signal 1
Electronic OUT signal	24 V DC, 15 mA
Intrinsic short-circuit interruption	Not provided; external coordination required
Rated impulse withstand	6 kV
Current derating at 60 C	4.6 A

03 PRODUCT FUNCTION

The three-pole main circuit operates at 48-500 V AC. An electronic OUT signal and an auxiliary changeover contact provide status interfaces. The starter does not include short-circuit interruption, and its continuous-current capability derates above 40 C, reaching 4.6 A at 60 C.

04 SYSTEM COMPATIBILITY

Select external short-circuit protection and the required overload setting using the manufacturer coordination data. Include ambient-temperature derating, starting-current demand and ventilation spacing in the feeder design.

05 REFERENCE

Siemens 3RM1007-1AA04 manufacturer specification, applicable pages 1, 2, 3, 5.

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