SIMATIC MICRO-DRIVE F-TM SERVODRIVE HF

Product Data Sheet

6BK1136-6AB00-0CU0

Failsafe compact servo drive

SUPPORTED MOTOR TECHNOLOGIES	SUPPLY WINDOW	RATED OUTPUT CURRENT	MAXIMUM OUTPUT CURRENT
EC and stepper motors	**24...48 V DC, SELV/PELV**	**5 A**	**15 A**

Siemens 6BK1136-6AB00-0CU0 is the F-TM ServoDrive HF in the SIMATIC MICRO-DRIVE range for ET 200SP. It drives compatible EC or stepper motors from a 24...48 V DC SELV/PELV source, with a 5 A rated output and a documented maximum output of 15 A.

01 TECHNICAL DATA

Supported motor technologies	EC and stepper motors
Supply window	24...48 V DC, SELV/PELV
Rated output current	5 A
Maximum output current	15 A
Output frequency limit	599 Hz
Torque operation	Four-quadrant operation
Safety connection	Hardwired STO, antivalent two-pin 24 V DC input
Signal input count	One
Encoder technologies	Incremental and BiSS-C absolute feedback
Braking chopper	Integrated

02 ADDITIONAL PRODUCT DATA

Holding brake interface	Controlled through process image
Maximum shielded motor cable	10 m
Ingress protection	IP20
Horizontal operating temperature	-30...+60 degrees C; derating applies
Vertical operating temperature	-30...+50 degrees C; derating applies

03 PRODUCT FUNCTION

The compact drive supports four-quadrant operation, incremental or BiSS-C absolute feedback, a braking chopper and holding-brake commands through the process image. A hardwired antivalent STO input provides the safety connection, and the supported BaseUnit choices distinguish new and continuing potential groups.

04 SYSTEM COMPATIBILITY

Match motor type, encoder interface and holding-brake arrangement to the configured drive. Keep the shielded motor cable within 10 m and wire the antivalent two-pin 24 V STO input according to the safety design.

05 REFERENCE

Siemens D 34 August 2021, SIMATIC MICRO-DRIVE, pages 2/9 and 2/10

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