

Technical drawing of the STM57XXB-XXX-ME-0FSB integrated brake stepper motor, showing dimensions, I/O pinout, and mechanical details.

Dimensions:

- Overall length: X_{Max}
- Mounting flange diameter: $\phi 38.1 \pm 0.05$
- Flange thickness: 15 ± 0.5
- Flange hole diameter: $\phi 8_{-0.012}^0$
- Flange hole spacing: 7.5 ± 0.1
- Flange hole diameter: $4 \phi 50^{+0.3}_{-0}$
- Flange hole spacing: 47.14 ± 0.2
- Flange hole diameter: 56.4
- Flange hole spacing: 56.4

I/O Pinout:

引脚	功能
1	DI1+
2	DI1-
3	DI2+
4	DI2-
5	DI3+
6	DI3-
7	DO1
8	-
9	GND
10	CTRL_POW
11	AGND
12	AI1

Communication Pinout:

引脚	CAN	485
1	CANH	485-
2	CANL	485+
3	GND	GND

Communication Port:

1 2 3

I/O Port:

1 2 3 4 5 6 7 8 9 10 11 12

Power Port:

VCC_VM GND

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Model and Weight:

型号	X (mm)	重量 (kg)
STM5741B-XXX-M-0FSB	96	0.87
STM5756B-XXX-M-0FSB	110	1.11
STM5776B-XXX-M-0FSB	131	1.43
STM57B5B-XXX-M-0FSB	167	2.11

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- Overall length: X_{Max}
- Mounting flange diameter: $\phi 38.1 \pm 0.05$
- Flange thickness: 1