



Safety controllers  
Motion Control module, Flexi Soft Drive Monitor

FX3-MOC000000



**Model Name** > [FX3-MOC000000](#)  
**Part No.** > [1062344](#)



**At a glance**

- 7 drive safety functions: SS1, SS2, SOS, SSM, SLS, SDI, and SBC
- For all common encoder interfaces
- Programmable logic
- Monitoring of up to 10 speed levels and 4 brake ramps
- Possible to monitor multiple axes

**Your benefits**

- Integration into a Flexi Soft system with one software tool and one project file allows quick project planning and commissioning
- Easy logic development using predefined, modifiable, freely configurable applications
- Maximum level of integration into higher-level controllers via all common fieldbus systems using gateways
- Documentation of the entire safety application simplifies machine acceptance and validation
- Monitoring movements instead of shutting down increases machine productivity
- Flexibility due to a wide range of drive safety functions



**Safety-related parameters**

Safety integrity level:	SIL3 (IEC 61508) SILCL3 (EN 62061)
Category:	Category 4 (EN ISO 13849-1)
Performance level:	PL e (EN ISO 13849-1)
PFHd:	EN ISO 13849
TM (mission time):	20 a (EN ISO 13849)
Safe state in the event of a fault:	The safety-related data is logic 0.

**Functions**

Standstill:	✓
Safe stop 1 (SS1):	✓
Safe stop 2 (SS2):	✓
Safe operating stop (SOS):	✓
Safe speed monitoring (SSM):	✓
Safe limited speed (SLS):	✓
Safe direction of motion (SDI):	✓
Safe brake control (SBC):	✓

### Mechanical data

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Dimensions (W x H x D):	22.5 mm x 96.5 mm x 120.8 mm
Weight:	120 g

### Electrical data

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Protection class:	III (EN 61140)
Power consumption:	$\leq 2.5 \text{ W}^{1)}$
Output voltage for encoder:	24 V

<sup>1)</sup> Via FLEXBUS+, without encoder voltage supply

### Interfaces

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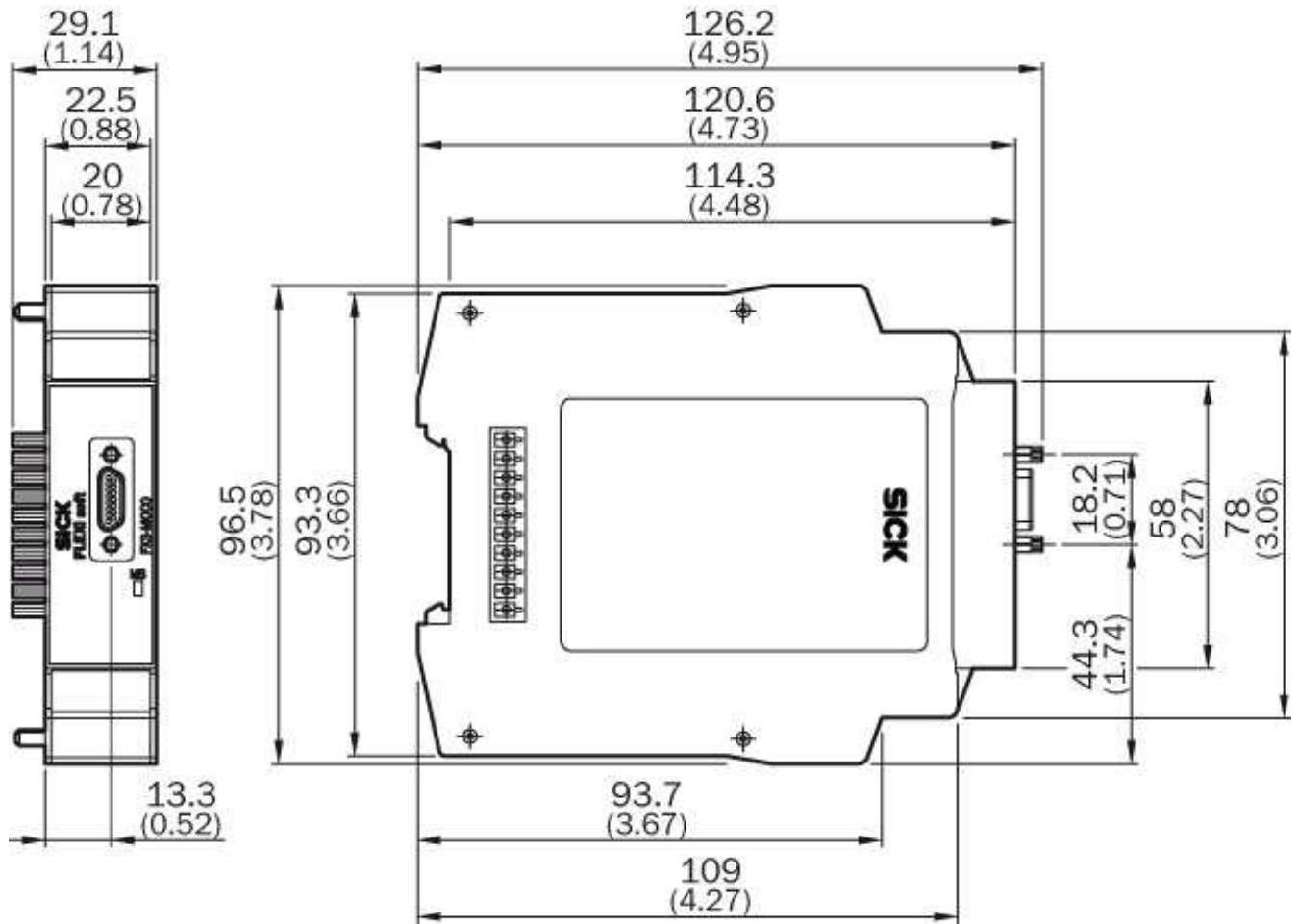
Connection type:	Male connector, Micro D-Sub, 15-pin
Encoder interface:	A/B incremental encoder, HTL A/B incremental encoder, RS-422 A/B incremental encoder, TTL Sin/Cos encoder SSI encoder
Data interface:	Internal bus (FLEXBUS+)

### Ambient data

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Protection class housing:	IP 40 (EN 60529)
Enclosure rating terminals:	IP 20 (EN 60529)
Ambient operating temperature:	-25 °C ... +55 °C
Storage temperature:	-25 °C ... +70 °C
Air humidity:	10 % ... 95 %, non-condensing
Vibration resistance:	(EN 60068-2-6)

Dimensional drawing



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