Online data sheet



FX3-CPU000000

Flexi Soft / Safe EFI-pro System

SAFETY CONTROLLERS / SAFETY SYSTEMS

SICK
Sensor Intelligence.



Ordering information

Main modules

Number of EFI interfaces	Type	Part no.
0	FX3-CPU000000	1043783

The system plug has to be ordered separately. For details, see “Accessories”.

Other models and accessories ➜ www.sick.com/Flexi_Soft___Safe_EFI-pro_System

Detailed technical data

Features

Module	Main module
Configuration method	Via software (Flexi Soft Designer, Safe EFI-pro System: Safety Designer)
Note	The system plug has to be ordered separately. For details, see “Accessories”.

Safety-related parameters

Safety integrity level	SIL3 (IEC 61508) SILCL3 (EN 62061)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
PFH_D (mean probability of a dangerous failure per hour)	1.07×10^{-9} (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

Interfaces

System connection	System plug [1]
Number of EFI interfaces	0
Connection type	Spring terminals
Configuration and diagnostics interface	RS-232 (M8 female connector, 4-pin)

[1] The system plug has to be ordered separately. For details, see “Accessories”.

Electrical data

Protection class	III (EN 61140)
Type of voltage supply	PELV or SELV [1]
Supply voltage V_S	24 V DC (16.8 V DC ... 30 V DC)
Internal power consumption	≤ 2.5 W

[1] The current of the power supply that powers the main unit must be limited to a maximum of 4 A, either through the power supply itself or a fuse.

Overvoltage category	II (EN 61131-2)
Switch-on time	≤ 18 s

[1] The current of the power supply that powers the main unit must be limited to a maximum of 4 A, either through the power supply itself or a fuse.

Mechanical data

Dimensions (W x H x D)	22.5 mm x 96.5 mm x 120.6 mm
Weight	111 g (± 5 %)

Ambient data

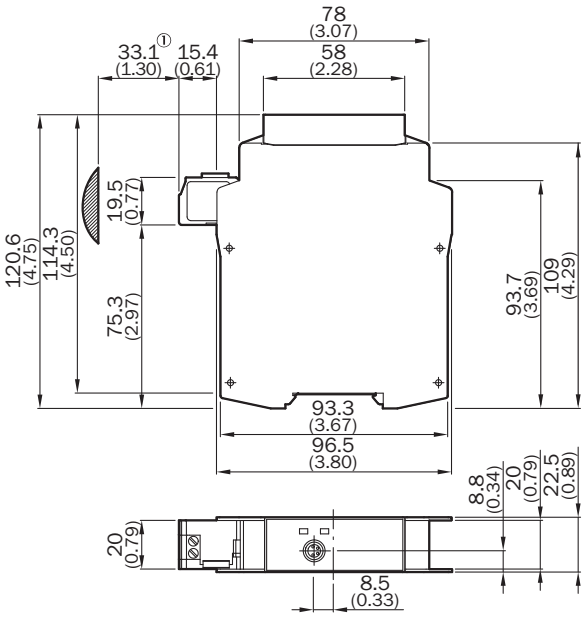
Enclosure rating	IP20 (EN 60529)
Ambient operating temperature	–25 °C ... +55 °C
Storage temperature	–25 °C ... +70 °C
Air humidity	10 % ... 95 %, Non-condensing

Classifications

ECl@ss 5.0	27242290
ECl@ss 5.1.4	27249090
ECl@ss 6.0	27249090
ECl@ss 6.2	27249090
ECl@ss 7.0	27249090
ECl@ss 8.0	27249090
ECl@ss 8.1	27249090
ECl@ss 9.0	27249090
ETIM 5.0	EC002632
ETIM 6.0	EC002632
UNSPSC 16.0901	32151705

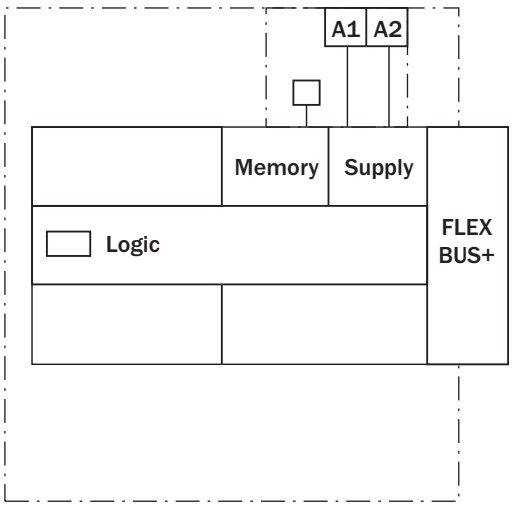
Dimensional drawing (Dimensions in mm (inch))

FX3-CPU0



① Approximate connector range

Connection diagram



Recommended accessories

Other models and accessories ➜ www.sick.com/Flexi_Soft___Safe_EFI-pro_System

	Brief description	Type	Part no.
Plug connectors and cables			
	Head A: male connector, M8, 4-pin, straight Head B: male connector, USB-A, straight Cable: PVC, unshielded, 2 m	DSL-8U04G02M025KM1	6034574
	Head A: male connector, M8, 4-pin, straight Head B: male connector, USB-A, straight Cable: PVC, unshielded, 10 m	DSL-8U04G10M025KM1	6034575
	For FX3-CPU0 and FX3-CPU1, System plug: Voltage supply of the Flexi Soft system and storage of system configuration (without EFI-compatible devices)	FX3-MPL000001	1043700

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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