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Product data sheet



FX0-STIO68002

Safe EFI-pro System

SAFETY SYSTEMS

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FX0-STIO68002 | Safe EFI-pro System

SAFETY SYSTEMS



Ordering information

	Number of non-safe inputs	Number of non-safe outputs	Type	Part no.
I/O modules	6-8	6-8	FX0-STIO68002	1061778

Other models and accessories → www.sick.com/Safe_EFI-pro_System

Detailed technical data

Features

Module	I/O module
Configuration method	Via software (Flexi Soft Designer) Safe EFI-pro System: Safety Designer

Interfaces

Number of non-safe inputs	6-8 [1]
Number of non-safe outputs	6-8 [1]
Connection type	Spring terminals

[1] The FX0-STIO features 6 non-safe inputs and 6 non-safe outputs. In addition, 2 connections can be used both as non-safe inputs and non-safe outputs.

Electrical data

Protection class	III (EN 61140)
Voltage supply	Via FLEXBUS+
Internal power consumption	≤ 1.5 W [1]
Inputs	
Input voltage HIGH	13 V DC ... 30 V DC
Input voltage LOW	–5 V DC ... 5 V DC
Input current HIGH	2.4 mA ... 3.8 mA
Input current LOW	–2.5 mA ... 2.1 mA
Outputs	
Voltage supply	Via A1, A2
Supply voltage	24 V DC (16.8 V DC ... 30 V DC)
Type of supply voltage	PELV or SELV [2]
Type of output	PNP semiconductors, short-circuit protected

[1] Via FLEXBUS+.

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

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Output voltage HIGH	16 V DC ... 30 V DC
Output current	≤ 500 mA

[1] Via FLEXBUS+.

[2] The current of the power supply that powers the module 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	139 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	27243001
ECl@ss 5.1.4	27243101
ECl@ss 6.0	27243101
ECl@ss 6.2	27243101
ECl@ss 7.0	27243101
ECl@ss 8.0	27243101
ECl@ss 8.1	27243101
ECl@ss 9.0	27243101
ECl@ss 10.0	27243101
ECl@ss 11.0	27243101
ETIM 5.0	EC001449
ETIM 6.0	EC001449
ETIM 7.0	EC001449
UNSPSC 16.0901	32151705

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SICK AT A GLANCE

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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."

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