



Safety controllers Flexi Soft, I/O module, FX0-STIO

FX0-STIO68002



Model Name > [FX0-STIO68002](#)
Part No. > [1061778](#)



At a glance

- XTDI input extension with eight safety inputs and eight test pulse outputs
- XTIO input/output extension with eight safety inputs and four safety outputs (according to SIL3)
- XTDS input/output extension with eight safety inputs, four standard outputs, two switchable outputs or test pulse outputs
- STIO input/output extension with six inputs, six outputs, two switchable inputs or outputs

Your benefits

- Connection of all commercially available sensors provides greater flexibility
- Low number of inputs and outputs per module eliminates extra inputs/outputs and reduces costs
- The fast-shut-off function reduces the response time, which allows the safety equipment to be installed closer to the hazardous point and reduces the overall footprint of the equipment
- Low-cost diagnostic function using standard outputs without an additional gateway
- Optimal system design with Flexi Soft expansion modules (up to 12 modules can be connected)
- Direct integration of standard automation in the safety control system



Safety-related parameters

TM (mission time): 20 a (EN ISO 13849)

Functions

Flexi Loop-compatible: -
Fast shut-off: -

Mechanical data

Dimensions (W x H x D): 22.5 mm x 96.5 mm x 120.6 mm
Weight: 139 g (± 5 %)

Electrical data

Protection class: III (EN 61140)
Voltage supply internal logic: Via FLEXBUS+
Voltage supply non-safe outputs: Via A1, A2
Internal power consumption: ≤ 1.5 W ¹⁾

1) Via FLEXBUS+

Interfaces

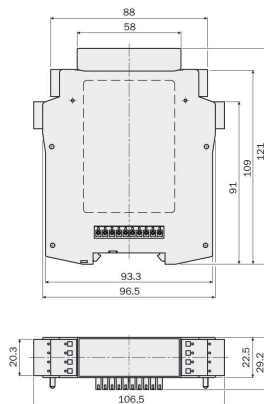
Connection type:	Spring terminals
Number of safety inputs:	0
Number of non-safe inputs:	6-8 (I1 - I6, IY7, IY8) ¹⁾
Number of safe outputs:	0
Number of test signal outputs:	0
Number of non-safe outputs:	6-8 (Y1 - Y6, IY7, IY8) ²⁾

1) 2) The FX0-STIO has 6 non-safe standard inputs and outputs. In addition the connections IY7 and IY8 can be used both as a standard input and as a standard output.

Ambient data

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
Climate conditions according to:	EN 61131-2 (55 °C ambient operating temperature, 95% rel. humidity)
Electromagnetic compatibility (EMC):	Class A (EN 61000-6-2, EN 55011)
Vibration resistance:	1 g, 5 Hz ... 150 Hz (EN 60068-2-6) 3 g RMS, 10 Hz ... 500 Hz (EN 60068-2-64)

Dimensional drawing



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