



Safety controllers
Flexi Soft, I/O module, FX3-XTDI

FX3-XTDI80002



Model Name > [FX3-XTDI80002](#)
Part No. > [1044124](#)



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

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:	0.4 * 1E-09 (EN ISO 13849)
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 test signal outputs:	Via FLEXBUS+
Internal power consumption:	$\leq 2 \text{ W}^{1)}$

¹⁾ Via FLEXBUS+, without current on test signal outputs

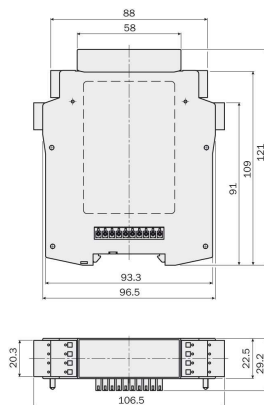
Interfaces

Connection type:	Spring terminals
Number of safety inputs:	8 (I1 - I8)
Number of non-safe inputs:	0
Number of safe outputs:	0
Number of test signal outputs:	8 (X1 - X8)
Number of non-safe outputs:	0

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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