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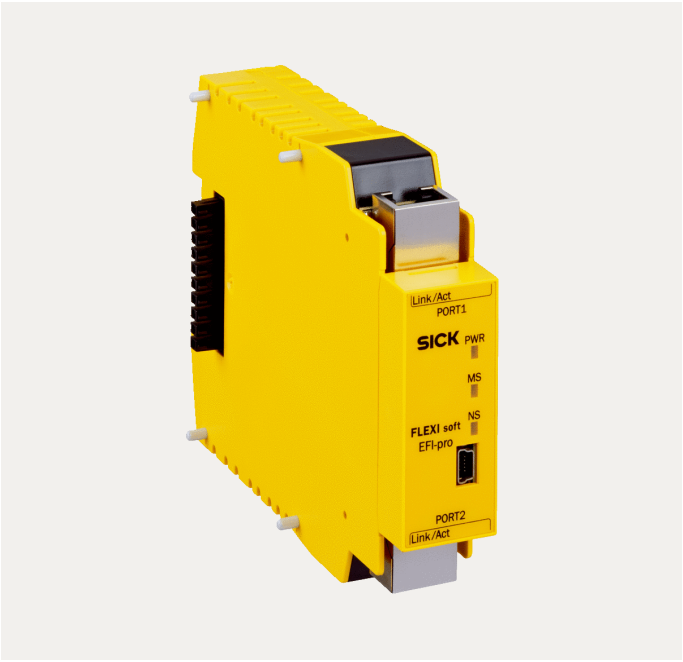


DATA SHEET

FX3-GEPR00000

Flexi Soft
Safety controllers

SICK Sensor Intelligence



SAFETY CONTROLLERS

FX3-GEPR00000

ORDERING INFORMATION

Type	part no.
FX3-GEPR00000	1069070

Further device versions and accessories at www.sick.com/Flexi_Soft

DETAILED TECHNICAL DATA

FEATURES

Module	Gateway
Fieldbus, industrial network	EFI-pro, EtherNet/IP™ CIP Safety™
Configuration method	Via software (Safety Designer)

SAFETY-RELATED PARAMETERS

Safety integrity level	SIL 3 (IEC 61508)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
PFH_D (mean probability of a dangerous failure per hour)	0.3×10^{-9} (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

INTERFACES

Fieldbus, industrial network	EFI-pro, EtherNet/IP™ CIP Safety™
Integrated Ethernet switch	3-port layer-2 managed switch with Auto-MDI-X for automatic detection of crossed Ethernet cable
Data transmission rate	10 Mbit/s, 10Base-T 100 Mbit/s, 100Base-TX autosensing
RPI (requested packet interval)	
Producing	4 ms ... 500 ms, multiple of 4 ms
Consuming	4 ms ... 500 ms, multiple of 1 ms
Number of data bytes	
RX	≤ 48 Byte
TX	≤ 50 Byte
Number of safe connections	
EFI-pro/EtherNet/IP™ CIP Safety™ Consuming	≤ 10
EFI-pro/EtherNet/IP™ CIP Safety™ Producing	≤ 10
Connection type	2 × RJ45 socket

Configuration and diagnostics interface	Mini-USB

ELECTRONICS

Protection class	III (EN 61140)
Voltage supply	Via FLEXBUS+
Internal power consumption	≤ 3.5 W [1]

[1] Via FLEXBUS+.

MECHANICS

Dimensions (W x H x D)	22.5 mm x 96.5 mm x 120.6 mm
Weight	135 g (± 10 %)

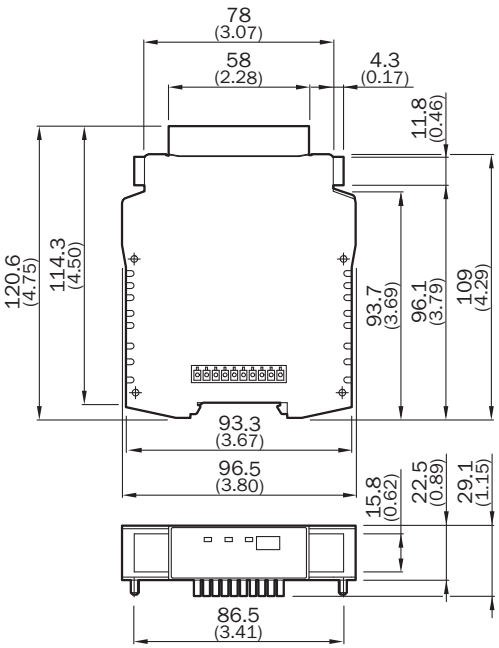
AMBIENT DATA

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

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
CCC certificate	✓
UK-Type-Examination approval	✓
cULus certificate	✓
S Mark certificate	✓
Ethernet/IP certificate	✓
EC-Type-Examination approval	✓
EC-Type-Examination approval (Machinery Regulation)	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

DIMENSIONAL DRAWING FX0-GPRO



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1069070

SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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