



Hardware Kit

Safe Robotics Area Protection

SAFETY SYSTEMS FOR ROBOTS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
Hardware Kit	1106014

Included in delivery: FX3-CPU000000 (1), FX3-MPL000001 (1), FX3-XTIO84002 (2), UE410-4R04 (2), MICS3-AAAZ55AZ1P01 (1)

Other models and accessories → www.sick.com/Safe_Robotics_Area_Protection

Detailed technical data

Features

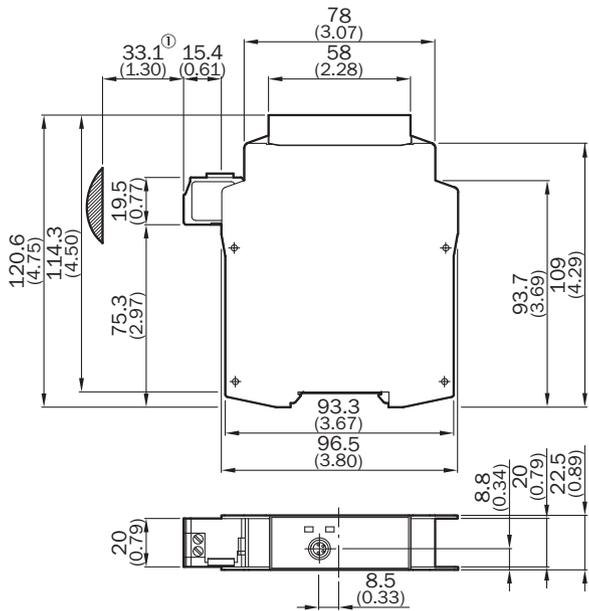
Variant	sBot Speed – YA
Product type	Hardware
Robot controller	Yaskawa: DX200, YRC1000, YRC1000micro
Stopping process of the robot	With speed reduction
Robot restart	Automatic
Interfaces	
Communication interface	Discrete I/Os
Safe state in the event of a fault	The safety-related semiconductor outputs are in the OFF state.
Safety laser scanners	microScan3 Core I/O
Protective field range	5.5 m
Safety task	Hazardous area protection
Ambient operating temperature	-10 °C ... +50 °C
Storage temperature	-20 °C ... +50 °C
Air humidity	90% at 50 °C (EN 61131-2)
Safety controller included	Flexi Soft
Safety controller type	Programmable
Voltage supply	
Supply voltage V_S	24 V DC (16.8 V DC ... 28.8 V DC)
Performance level	PL d (ISO 13849-1)
Items supplied	microScan3 Core I/O safety laser scanner Flexi Soft main module FX3-CPU0 FX3-MPLO Flexi Soft system plug FX3-XTIO Flexi Soft I/O module UE410-4R04 Flexi Soft relay module Documentation (operating instructions)

Classifications

ECLASS 5.0	27279090
ECLASS 5.1.4	27279090
ECLASS 6.0	27279090
ECLASS 6.2	27279090
ECLASS 7.0	27279090
ECLASS 8.0	27279090

ECLASS 8.1	27279090
ECLASS 9.0	27279090
ECLASS 10.0	27279090
ECLASS 11.0	27279090
ECLASS 12.0	27279090
ETIM 5.0	EC001449
ETIM 6.0	EC001449
ETIM 7.0	EC001449
ETIM 8.0	EC001449
UNSPSC 16.0901	32151705

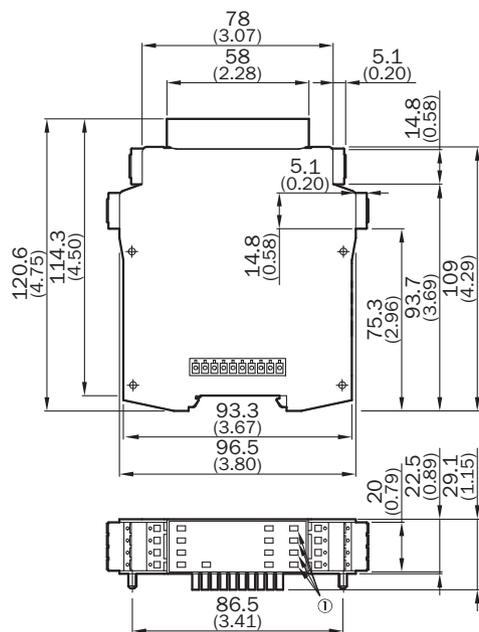
Dimensional drawing FX3-CPU



Dimensions in mm (inch)

① Approximate connector range

Dimensional drawing FX3-XTIO, FX3-XTDI



Dimensions in mm (inch)

① Only valid for FX3-XTIO

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:

Contacts and other locations –www.sick.com