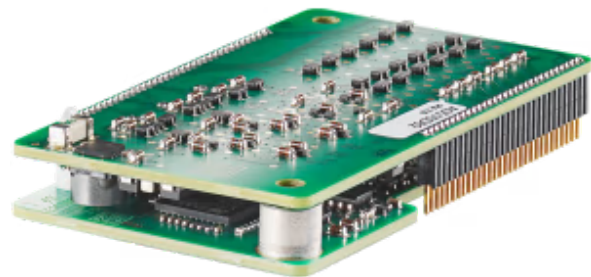


Anybus Safe2Link Pure IO/CS

Item number: 1.01.0301.10004

The Anybus Safe2Link Pure IO/CS offers an easy way to implement safe I/O signals into mobile machines, using the CIP Safety protocol. The configurable SafeBound™ feature and Safe Stop Category 1 support simplify local and remote safe control loops. This compact module provides top-tier safety (SIL-3/PLe) and simplified certification, making it ideal for custom mobile applications with both safe and non-safe communication needs.



Safely stop mobile machines remotely using CIP Safety

Features and benefits

✓ High safety level assurance

The module meets the SIL3 safety requirement level as defined by IEC 61508 and Performance Level PLe / Category 4 in ISO 13849-1, ensuring a high standard of safety and reliable performance.

✓ Advanced safety protocol integration

For CIP Safety, the CompactCom handles EtherNet/IP Adapter functions, while the Safe2Link Pure IO/CS module manages the CIP safety layer, controlling three dual-channel inputs and one dual-channel output.

✓ Stable operation of mobile devices

To keep mobile devices stable during an STO, the Safe2Link Pure IO/CS implements a Safe Stop Category 1 (SS1-t) function. A non-safe output indicates the necessary ramp-down to the vehicle controller before the STO is activated.

✓ Compact and integrative design

Its compact size and flexible I/O routing makes the module ideal for integration into customer-specific device solutions.

✓ Enhanced network compatibility

The module offers direct connectivity with the Anybus CompactCom, leveraging the black channel principle to enable seamless communication for both safe and non-safe protocols on the same wire.

✓ Safe Remote Stop

With SafeBound™ local safe inputs such as emergency stop or safety lidars can be directly linked to the local Safe Torque Off (STO) for fast safe reactions. At the same time, a slower remote safe stop, such as via a wireless fieldbus network, can also be linked to the STO.

✓ Efficient pre-certified concept

The module integrates all necessary functions for achieving SIL-3/PLe compliance on one device. It is equipped with pre-certified hardware and a comprehensive documentation for easy re-certification.

✓ Customized communication integration

The Safe2Link Pure IO/CS can connect to custom non-safe communication solutions by granting the module access to the transport layer. This enables seamless integration with a variety of systems.



General

Net Weight (g)	29
Packed Width (mm)	9
Packed Height (mm)	3
Packed Depth (mm)	13
Packed Weight (g)	58
Operating Temperature °C Min	-30
Operating Temperature °C Max	+68
Storage Temperature °C Min	-40
Storage Temperature °C Max	+85
Input Voltage (V)	24 V DC (SELV/PELV), 3.3 V DC
Content of Delivery	Safe2Link Pure IO/CS module
Packaging Material	Cardboard

Identification and Status

Product ID	1.01.0301.10004
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	3 x Digital Inputs (3 x dual channel, configurable with filter and monitor functions), 1 x Digital Output (1 x dual channel, configurable, local safety logic with SafeBound(TM) and Safe Stop Category 1 support), 30-pin male connector (electrical connectivity between the customer device and the Safe2Link Pure IO/CS module)
Contains Battery	No



Safety and Security

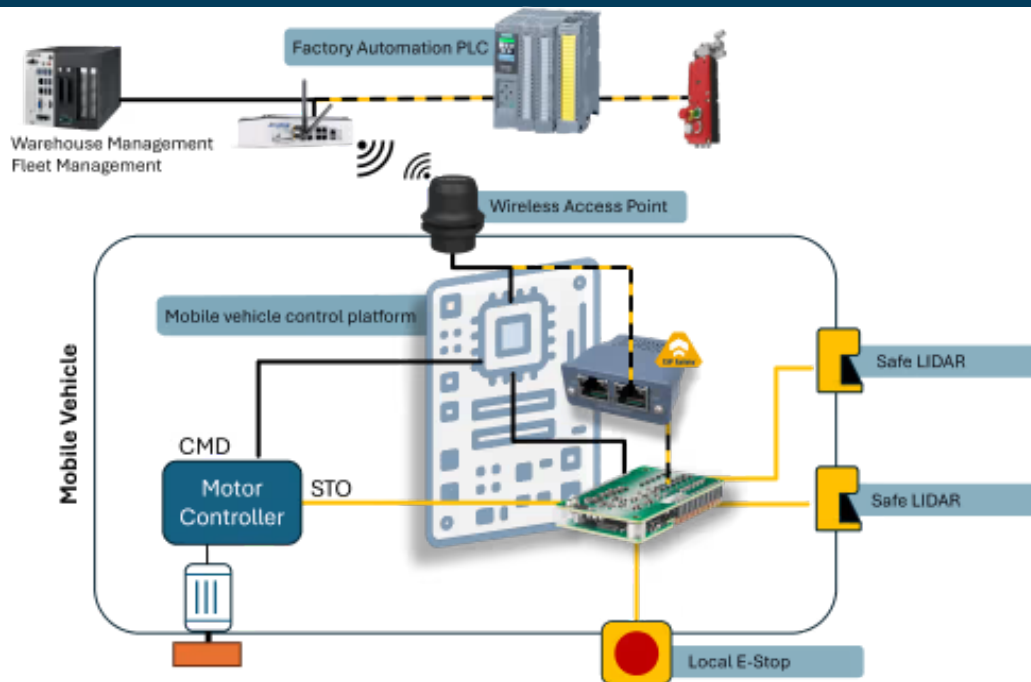
Safety Standards	IEC 62061 ISO 13849-1 EN 61508
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Certifications and Standards

ETIM Classification	EC001599
TÜV	Yes



Use Case



The Safe2Link Pure IO/CS enables easy integration of external safe communication into a vehicle's local safety control system. It allows local safety sensors or logic signals to be combined and routed as a single Safe Torque Off (STO) signal to the motor controller—eliminating the need for separate in-vehicle safety logic when using the SafeBound™ feature.