

SCHMERSAL Tech Briefs: SCHMERSAL System Solutions



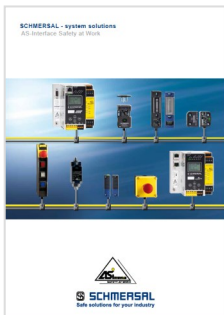
Overview

SCHMERSAL Safety Solutions utilizes AS-Interface Safety at Work (AS-I SAW), a safety bus system based upon the open standard of AS-International. It is a simple and flexible solution to quickly, efficiently and cost-effectively integrate a vast safety system.

The AS-Interface is an open system, allowing integrators to realize custom safety solutions with components from multiple suppliers. SCHMERSAL offers a diverse range of compatible safety devices with integrated AS-Interface. Included are a variety of keyed interlocks, solenoid interlocks, safety sensors, E-Stop button, control panels, emergency cable pull switches, limit switches, and safety foot switches.

With SCHMERSAL, machine builders have the flexibility to create a complete AS-I safety solution from a single source - We supply all the necessary components for a complete installation, including everything from the master-monitors, safety controllers, power supply, software and programming interface to the unique AS-I cables and all connection accessories.

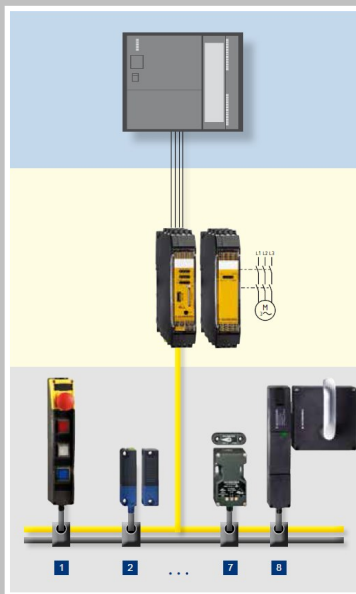
Available Literature



AS-I System Solutions
40 pages

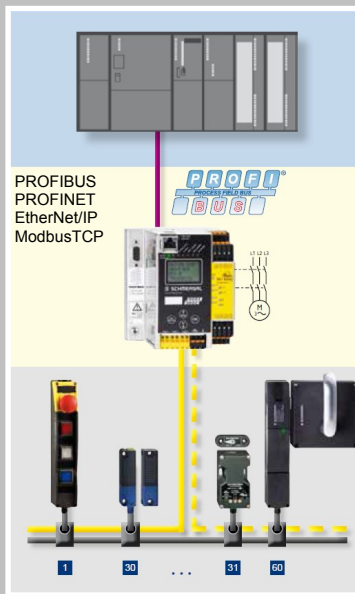
Compact safety solution with input/output connection:

- Input/output coupling of the safety circuit to the normal control system (PLC)
- 1 AS-i Master and 1 monitor
- Up to 8 safe dual-channel inputs and outputs



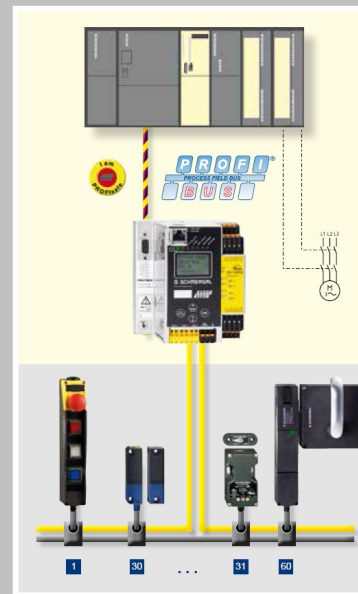
Independent safety solution with normal field bus:

- Field Bus coupling of the safety circuits to the normal control system (PLC)
- 1 or 2 AS-i masters and 1 double monitor
- Up to 60 safe dual-channel inputs and outputs



Integrated safety solution with safe field bus:

- PROFIBUS or PROFINET coupling with the safety control system (F-CPU)
- 2 AS-i masters and 1 double monitor
- Up to 60 safe dual-channel inputs and outputs



System Components

We supply all the necessary components for a complete installation:

- Master-monitors
- Safety controllers
- Safe speed monitors
- Power supply
- Software
- Programming interface
- AS-I cables
- Connection accessories

AS-I Integrated Devices

A wide variety of our switches are available with integrated AS-i Safety interfaces:

AZ16 AS	Keyed interlock
AZ200 AS	Keyed interlock
AZM161 AS	Solenoid interlock
AZM170 AS	Solenoid interlock
AZM200 AS	Solenoid interlock
MZM100 AS	Electromagnetic lock
RSS36 AS	RFID Safety sensor
BNS260 AS	Magnetic sensor
BNS36 AS	Magnetic sensor
BNS16 AS	Magnetic sensor
ZQ900 AS	Cable pull switch
ZQ700 AS	Cable pull switch
BDF200 AS	Control station
NAS311AS	Emergency Stop
Z/T 235 AS	Limit switches
Z/T 236 AS	Limit switches
Z/T 335 AS	Limit switches
Z/T 336 AS	Limit switches
TFH232 AS	Safety foot switches

Safety devices which are not available with integrated AS-i Safety interface can be incorporated into the AS-i Safety circuit through an external input module.

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