

THE GATEKEEPER

Man-Machine Safeguarding News

September 2015

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Schedule



PACK EXPO 2015

(09/28/2015 - Las Vegas, NV)
At this years Pack Expo you will find Schmersal products at the AS-Interface booth.
(South Hall, Booth 7798)

[Learn more here](#)



AS-Interface Technology Workshop

(10/15/2015 - Milwaukee, WI)
Meet with a Schmersal representative at this free, one day workshop which provides hands on training to implement AS-I systems.

[Register for the workshop](#)

Reference



Safety Products Overview

We've just updated our GK-C overview catalog. It features examples of our safety product lines with selection charts for a quick comparison between products. It also highlights the various products available with AS-I. 12 pages.

[Download a PDF](#)

Contact Us

[Visit our website](#)
[Online Product Catalog](#)

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Schmersal - System Solutions

In today's automated world, the design and implementation of machine safety systems have become more complex due to the advances in machine automation and the increased need to meet the latest international safety standards.

Developments in machine safety devices have provided engineers with a multitude of options to help meet the latest technology needs as well as fulfill the necessary safety requirements while minimizing downtime and maintenance costs.

The Schmersal System Solutions utilizes Actuator Sensor Interface, Safety At Work (AS-i SAW), technology as a basis to provide engineers and users a simple yet flexible solution to address multifaceted safety systems. AS-Interface was originally developed to link binary sensors and actuators together by using a simple installation technology with goal of achieving ease of use for customers.

The advanced benefits of the AS-i SAW technology include:

- Simple wiring via two conductor cable
- Ease of data transfer
- Minimal installation time or maintenance
- Integrates with ease into higher level control
- Intuitive programming logic
- Expandable
- Certified to meet Category 4, PLe
- Accepted world wide

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.

For more information...

Here are some online resources available to get more information on AS-Interface:

Tech Brief: AS-I System Solutions

A one page summary of the AS-Interface system and components available from Schmersal.

[Download a PDF](#)



Schmersal - System Solutions

This 40 page catalog explains the AS-Interface system and gives information on all the various system components and safety devices with integrated AS-Interface available from Schmersal.

[Download a PDF](#)



Online Product Catalog: AS-I products

Find technical information on the diverse range of compatible safety devices with integrated AS-Interface.

Visit the online catalog at www.usa.schmersal.net



Ask The Expert

Kartik Vashi,
TUV Functional Safety Engineer
ID-No. 10045/15

Q: How many safety slaves can you have on AS-Interface?

A: A single AS-i Master-Monitor combination with Safety can have up to 31 safety slaves. However, there are dual AS-i Master Monitor combination controllers available where you can have 62 safety slaves. The system can be scaled up further - systems can include up to 31 Master monitor combinations, with 2 AS-i circuits for each, which can communicate safely with each other over an Ethernet interface "safe link" - for up to 1,922 safety devices.