SIEMENS

# Press Presse Press Presse

## Industry Sector
## Industry Automation Division

Nuremberg (Germany), November 9, 2009

**SPS/IPC/Drives 2009**, Hall 9, Stand 9-310

**Adapter integrates standard sensors in the IO-Link**

**A new adapter from the Siemens Industry Automation Division makes it easy to integrate standard sensors into the IO-Link, the communication standard for the sensor/actuator level. This means that the majority of sensor types available on the market can utilize the benefits of the IO-Link without any special modification, facilitating integration in the central diagnosis and detection of errors, for example. The Simatic PX130C adapter features a number of signal conditioning functions and extensive diagnostics functions. It is especially suitable for drive solutions such as speed control and monitoring as well as rotational direction recognition, and for fast counters.**

The Simatic PX130C adapter with high IP67 protection rating functions as an adapter plug for the connection of up to two binary proximity switches or a single analog sensor to the control level. For this purpose the adapter features two inputs which can be set to pnp or npn, one of which is digital, the other being either analog or digital. The analog input can be set to 0-20 mA, 4-20 mA or 0-10V. Most commonly-available sensor types can be connected to the adapter, which also applies to the more than 500 standard proximity switches of the Simatic PX portfolio from Siemens.

The Simatic PX130C adapter is equipped with a variety of functions. These include signal conditioning functions such as A/D conversion, rotational direction recognition, speed monitoring, input inversion, switching time measurement and timers with extended pulses, for example. The diagnostic functions monitor connected sensors for wire breaks, short-circuits and overcurrent/undercurrent. Configuration takes place in the standard engineering tool using the supplied IODD (IO-Link Device Description). Settings can be made for signal conditioning functions, for example and it is also possible to parameterize averaging values or switch-on muting and determine whether the positive edge or the falling edge of a connected sensor should be detected.



Siemens AG
Corporate Communications and Government Affairs
Wittelsbacherplatz 2, 80333 Munich
Germany

Reference number: IIA200911.2203e fp

**Media Relations: Gerhard Stauss**
Telephone: +49 911 895-7945
E-mail: gerhard.stauss@siemens.com
Siemens AG
Industry Sector - Industry Automation Division
Gleiwitzerstr. 555, 90475 Nuremberg, Germany

The new adapter is especially advantageous when it is used in more sophisticated sensor applications. Typical areas of application include speed control and monitoring, standstill and slip monitoring or switchover and monitoring of start-up processes on drives. The wide range of functions means that the adapter can be used in all types of machines and plants, for example in wind power stations or CHP plants, belt conveyors and test stands or in large drives.
In addition a combination of simple proximity switches enables detection of rotational direction in elevator systems, stirrers, pumps or fans, or the slip monitoring of belt and hydraulic drives. The sensor adapter can detect both measure rapid counting processes up to five kilohertz as well as switching frequencies, thus also making it suitable for open and closed-loop control of agitators or oscillating conveyors. Since it is so versatile, the compact IO-Link Adapter PX130C makes additional speed monitors and counter modules in the control cabinet superfluous, and there is also no need for extra rotary encoders for speed detection and rotational direction recognition.

Further information can be found on the Internet at: www.siemens.com/io-link
You can find the text on the Internet at: www.siemens.com/automation/press




Siemens AG
Corporate Communications and Government Affairs
Wittelsbacherplatz 2, 80333 Munich
Germany

Reference number: IIA200911.2203e fp

**Media Relations: Gerhard Stauss**
Telephone: +49 911 895-7945
E-mail: gerhard.stauss@siemens.com
Siemens AG
Industry Sector - Industry Automation Division
Gleiwitzerstr. 555, 90475 Nuremberg, Germany

A new adapter from the Siemens Industry Automation Division makes it easy to integrate standard sensors into the IO-Link, the communication standard for the sensor/actuator level. This means that the majority of sensor types available on the market can utilize the benefits of the IO-Link without any special modification, facilitating integration in the central diagnosis and detection of errors, for example. The Simatic PX130C adapter features a number of signal conditioning functions and extensive diagnostics functions. It is especially suitable for drive solutions such as speed control and monitoring as well as rotational direction recognition, and for fast counters.

You can find this photo on the Internet at: www.siemens.com/ad-picture/2203

---

Please phone us if you require a copy of the photo.

You can also receive Siemens Industry Automation press releases electronically.
Please send us an e-mail.

The **Siemens Industry Sector** (Erlangen, Germany) is the worldwide leading supplier of production, transportation, building and lighting technologies. With integrated automation technologies as well as comprehensive industry-specific solutions, Siemens increases the productivity, efficiency and flexibility of its customers in the fields of industry and infrastructure. The Sector consists of six Divisions: Building Technologies, Drive Technologies, Industry Automation, Industry Solutions, Mobility and Osram. With around 222,000 employees worldwide Siemens Industry posted in fiscal 2008 a profit of EUR3.86 billion with revenues totaling EUR38 billion. www.siemens.com/industry

The **Siemens Industry Automation Division** (Nuremberg, Germany) is a worldwide leader in the fields of automation systems, low-voltage switchgear and industrial software. Its portfolio ranges from standard products for the manufacturing and process industries to solutions for whole industrial sectors that encompass the automation of entire automobile production facilities and chemical plants. As a leading software supplier, Industry Automation optimizes the entire value added chain of manufacturers – from product design and development to production, sales and a wide range of maintenance services. With around 42,900 employees worldwide Siemens Industry Automation achieved in fiscal 2008 total sales of EUR8.7 billion.



Siemens AG
Corporate Communications and Government Affairs
Wittelsbacherplatz 2, 80333 Munich
Germany

Reference number: IIA200911.2203e fp

**Media Relations: Gerhard Stauss**
Telephone: +49 911 895-7945
E-mail: gerhard.stauss@siemens.com
Siemens AG
Industry Sector - Industry Automation Division
Gleiwitzerstr. 555, 90475 Nuremberg, Germany