

Industry Sector Industry Automation Division

Nuremberg (Germany), November 27, 2008

Automation I/Os quickly connected with optocouplers

Siemens's Industry Automation Division has expanded its SIMATIC top connect system cabling to include a compact optocoupler module for facilitating quick switching of high load currents of up to 4 amperes at 24 volts DC. The new unit is 134 millimeters wide and is a new addition to the SIMATIC top connect module family. These modules enable users to connect I/O components quickly and reliably to SIMATIC S7-300 Controller input/output modules. One of the big advantages of the optocoupler technology is its high switching frequency of up to 500 hertz - as compared to the mere 5 to 10 switching cycles per minute achieved by conventional relays. The 8-channel optocoupler module adapts the controllers' output signals to the power requirements of the I/O devices. The eight overload and short-circuit-proof 24 volt outputs are suitable for use with I/O devices with power requirements of up to four amperes. The operating state of each individual channel is indicated by red and green LEDs. The red LED lights up in the event of a wire break or an overload at the output. The unit also has two group error signaling contacts which are activated in the event of a fault. Four channels are assigned to each signaling contact. The new optocoupler module is available with screw or spring-loaded terminals.

Further information can be found on the Internet at: www.siemens.com/sitop

A photo accompanies this press release. You can find this photo on the Internet at:
www.siemens.com/ad-picture/1665

You can find the text on the Internet at: www.siemens.com/automation/press



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The **Siemens Industry Sector** (Erlangen, Germany) is the worldwide leading supplier of production, transportation and building technologies. With integrated hardware and software technologies as well as comprehensive Industry-specific solutions, Siemens increases the productivity and efficiency of its customers in the fields of industry and infrastructure. The Sector consists of six divisions: Building Technologies, Industry Automation, Industry Solutions, Mobility, Drive Technologies and Osram. With around 209,000 employees worldwide Siemens Industry achieved in fiscal 2007 total sales of approximately EUR40 billion (pro forma, unconsolidated). www.siemens.com/industry

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

Reference number: IIA200811.1665e 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 **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.