

Industry Sector Industry Automation Division

Nuremberg (Germany), January 27, 2009

RFID read/write devices with ISO functionality

Siemens's Industry Automation Division has now redesigned its HF (high frequency) 13.56 megahertz range Simatic RF310R and RF380R RFID (radio frequency identification) read/write devices so that they can also work with ISO 15693 standard transponders (tags). Its ISO 15693 functionality makes the RF300 system also suitable for use in applications which only need simple types of transponders with little memory, such as the inexpensive MDS D100 and D124 ISO 15693 tags. The D324 and D160 tags in the Moby D product line have data capacities ranging from twenty bytes to one kilobyte. These are typically used in applications with central data storage in manufacturing industries, such as the automotive industry and its suppliers, and baggage handling systems, such as those in airports.

Simatic RF310R and RF380R readers are also suitable for use with more advanced tags in the RF300 transponder range. These have larger data capacities and facilitate particularly fast data communication between reader and transponder. The mode of operation is easily switched in the Step7 program by changing the parameters in function blocks, so that the readers at the air interface can either communicate in the high-performance "RF300 protocol" mode, as before, or under the ISO 15693 protocol. Already available standard communication modules are used to integrate these readers into PC applications or an automated system with Simatic, Profibus and Profinet. The Simatic RF380R reader has an additional RS232 interface which enables it to be connected directly to another manufacturer's control system or a PC - without needing an interface converter. The next devices to be equipped with ISO 15693 functionality will be the RF340R and RF350R readers and the RF310M mobile handheld terminal.

You can find further information on the Internet at: www.siemens.com/simatic-sensors/rf

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



Siemens's Industry Automation Division has now redesigned its HF (high frequency) 13.56 megahertz range Simatic RF310R and RF380R RFID (radio frequency identification) read-write devices so that they can also work with ISO 15693 standard transponders (tags). Its ISO 15693 functionality makes the RF300 system also suitable for use in applications which only need simple types of transponders with little memory, such as the inexpensive MDS D100 and D124 ISO 15693 tags. The D324 and D160 tags in the Moby D product line have data capacities ranging from twenty bytes to one kilobyte.

You can find this photo on the Internet at: www.siemens.com/ad-picture/1901

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

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,

2 / 3

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

Reference number: IIA200901.1901e 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

Industry Solutions, Mobility and Osram. With around 222,000 employees worldwide Siemens Industry posted in fiscal year 2008 a profit of EUR3.86 billion with revenues totalling 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 year 2008 total sales of EUR8.7 billion.