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## Welcome

### Dear Customer ,

Welcome to our **Third Newsletter** ,We are glad to share with you our interested news , all of which we hope have helped to keep you updated on our news .

We want this newsletter to be valuable for you , so please share your feedback and suggestions to help us improve.

### Outbound buffer pallet conveyors system delivered:



We just commissioned a material handling project in a major food plant, comprising of 2 levels of pallet conveyors in a loop layout with lifting tables for diverting, and a pallet lift between the two levels.



The system is based on distributed control architecture using AS-I and ProfiNet bus technologies, with all safety functions and at high throughputs and density. Monitoring of system functionality operation



and using Comfort HMI touch panels. The system is expandable and scalable for future expansions and for Visualization and connection with ERP system.

## Phoenix Contact Surge Protection

### The Safe Energy Control product range

Safe Energy Control (SEC) is a product family with exceptional durability and maximum performance in the field of lightning current and surge protection. The revolutionary spark gap technology safely prevents any line follow current. This reduces the stress on the entire

installation to a minimum. The surge protective devices operate in the background, preserving the entire system. Backup-fuse-free solutions are available for all applications. The consistent pluggable system rounds out the SEC family.



### Type 1+2 combined lightning current and surge arresters special

the type 1+2 combined lightning current and surge arrester. This is because the type 1+2 combined lightning current and surge arrester special contains two independent protective devices that are switched in parallel while occupying minimal space. The

voltage-switching spark gap (SPD type 1+2) works ideally in



combination with a voltage-limiting varistor (SPD type 2). In this combination, two autonomous protective devices in one compact block ensure optimum response behavior, optimum system protection, and a long service life for the components.

### Type 2 surge protective devices



Type 2 surge protective devices (SPDs) are generally installed in sub-distribution stations or machine control cabinets. They form the second protection level in a three-level surge protection design. SPDs of type 2 must be able to protect against surge voltages from indirect lightning

strikes or switching operations. Surge voltages caused by switching operations are often highly dynamic and occur much more frequently than surge voltages caused by lightning. Technology featuring a fast response behavior – such as varistor technology – has proven itself

### Type 3 device protection

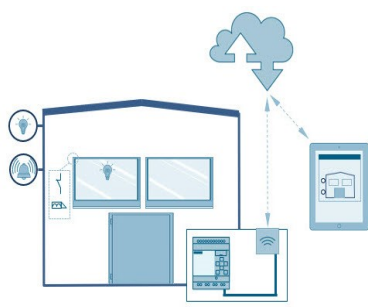
Type 3 surge protective devices are generally installed immediately upstream of the end devices to be protected. Thus, they are also referred to as "device protection".

Type 3 SPDs are available in a wide range of designs to suit the various different installation environments:

- Devices for DIN rail mounting
- Devices for insertion in sockets



## SIEMENS LOGO ! Connection to a Cloud



The data are written to a cloud; they will be displayed graphically on a tablet.

In this context, the system accesses the cloud, rather than the web server of the LOGO! basic unit.

On display are the switching states of the lighting, whether a window is open or closed, what position the door is in, and whether an alarm has been triggered. The lighting and alarm functions can be switched on and off via the website.

For a building or a machine, you must continually assess whether a hazard exists in connection with a concrete implementation, as values are first controlled in and read from the cloud and only synchronized with LOGO! after the fact. Such a risk assessment especially

relevant if it is a machine from which values are read and written back.

States must be set, and values written in this case only if doing so carries zero risk. Otherwise, this must be strictly avoided.

The integrated functions of LOGO! offer many additional possibilities to solve applications in various areas quickly and easily.

With LOGO!, prefabricated function blocks support project creation, e.g. weekly time switch, pulse generator, astro timer, seasonal time switch, stopwatch and simple logic gates.

The LOGO! text display (TDE) and the integrated web server of LOGO! offer additional options for operation and monitoring using function keys and message texts.

### Advantages

- Extensibility of the software program to include further tasks. In

addition to the basic task description, additional independent subtasks can be configured depending on the application. For this purpose, LOGO! can be expanded with a wide variety of expansion modules.

- Straightforward, star-shaped arrangement of the wiring of the components.
- Use of simple switches (circuit breakers) or pushbuttons.
- Fewer components are required compared to a conventional solution.
- Communication options via Modbus/TCP, S7 connection, and KNX.
- Communication with a cloud



## Turck- Inductive Sensors for Rotary Actuators



Position control on actuators and drives is of major importance not only in the chemical and petrochemical but also in the food

industry. Thus new and open housing solutions are needed, which combine the inherent advantages of modular housings while eliminating their typical disadvantages. With the new line of dual sensors and a full range of actuation kits, Turck now offers made-to-measure solutions which meet the specific needs of the chemical, petrochemical and the

food industry. Turck angle sensors enable the individual 0...360° degrees angle capture with analog output signal and the free programming of the switchpoints. Use the unique performance spectrum of these Turck sensors and reduce your application costs effectively!



### Namur with SIL2

The TÜV certificate SIL2 for versions with standard NAMUR output guarantees smooth operation, even in safety-related installations according to IEC 61508. It clearly proves the reliability of devices under rough application conditions.



### Compact design

Despite their robustness, Turck dual sensors are only half the size of standard housings (black box). Systems can be designed more compactly and risks of mechanical damage are considerably reduced.



### Contactless angle measurement

Based on the principle of inductive resonant circuit coupling, the contactless operating RI360P1-DSU provides analog output signals, such as 0...10 V and 4...20 mA. The sensors are characterized by high linearity and high vibration immunity. The contactless measuring principle easily compensates for misalignment and vibration.



### Diverse accessories

We offer a complete range of accessories for perfect mounting and installation. This enhances the functionality and at the same time reduces the installation time.



### Sophisticated connection technology

Devices with terminal chamber feature a connection possibility for the magnetic valve. The terminal strip can be unplugged in emergency state which safes time in the event of servicing.



### Approvals

- Different approvals for the Ex area enable worldwide protection, f. e.
  - ATEX degree of protection intrinsically safe (Ex i)
  - ATEX degree of protection non-sparking (Ex nA)
  - FM and UL for the USA
  - CCC and Nepsi for China
  - IEC-Ex worldwide application
  - SIL2