Omron provides solution machine safety control

Omron Corporation has launched a new safety and visualisation package containing all the components to provide a programmable and flexible machine safety control solution, with the added benefit of a visual interface that provides detailed diagnostics and user information.

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According to Victor Marques, general manager at Omron, the package was developed to give customers added value without compromising on quality.

The package contains a standalone G9SP safety controller which provides all local safety in- and outputs while controlling the safety application with diagnosis information provided via Serial or Ethernet interface. It also has a memory cassette for easy duplication of configuration and unique programming software to support easy design, verification, standardisation and re-usage of the programme.

The next element is the S8VK-G power supply, offering a wide product range (from 15W up to 480W), in a very compact size. It is 13% smaller than comparable power supplies and the smallest on the market of its type and has a wide operating temperature range (-40 to +70ºC) to guarantee operation stability. It has a double set of DC output terminals (three for the negative) to provide easy wiring, a 90% efficiency to reduce energy consumption, a 120% power boost functionality and improved DIN-rail mounting clip to provide better vibration resistance and allow for easy installation.

The third component is a seven-inch wide colour TFT LCD touch screen which offers maximum screen size in the most compact format. The screen has a resolution of 800 x 480 pixels that allows you to create easy-to-use HMI applications in portrait or landscape orientation. There are two different versions, with the top model equipped with an Ethernet and USB host port to make it easy to update the project or exchange data over a network.

Other features include a long-life LED backlight, more than 65k colour display, a 128 MB internal memory, IP65 protection, USB memory stick support and vector and bitmap graphics. "As the display is one of the most important components for an HMI, the complete package is equipped with LED backlighted TFT LCDs that have a good viewing angle and brightness. Together with a large memory the HMI application can contain many images to create a very good looking application," says Marques.

Omron's solutions, based on specialised expertise in sensing and control automation, are designed to make its customers' machines smarter, faster, more efficient, better value, more flexible and more reliable.

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