

## >> Multiturn Hollow Shaft Kit Encoders

Encompass™ Product Partner **POSTIAL-FRABA's** Hollow Shaft Kit encoders with multiturn technology feature an integrated rotation counter that records each revolution the instrument experiences, even if these occur when no external power is available.

POSITAL's maintenance-free Wiegand energy harvesting system powers the counter circuitry. There is no need for troublesome backup batteries or complex mechanical solutions.

The encoders are well suited to robots and cobots. Weighing in at just 110 g, with an outer diameter of 80mm, they can be integrated directly into the joints of the robot arms.

Their open-center form factor leaves room for designers to route mechanical components, cables or pneumatic/hydraulic lines through the center of the joint.

Their slim design (17.8 mm deep) and large central opening (30 or 50 mm) suit space-critical applications, including servomotors and drives. Installation and commissioning are straightforward: a few simple steps and the measuring system is ready for use, without complicated calibration procedures.

The capacitive measurement technique enables the ring-shaped configuration, while also offering reliability and precision (18-bit electronic resolution and an accuracy of  $\pm 0.02$  degrees).



## >> Electronic Motor Overload Relay

The **Allen-Bradley® E100 electronic motor overload relay** from Rockwell Automation is designed to help industrial companies protect their motors and avoid unplanned downtime. The new relay more accurately measures a motor's current load, models its temperature and shuts the motor off when it's in danger of damage due to overheating.

Options are available to detect jams and ground faults immediately, allowing faster responses to these specific conditions. A remote reset option lets customers remotely reset the overload.

The relay comes in basic and advanced configurations. The basic model has two user-adjustable trip-class settings of 10 and 20. The advanced model has four trip class settings: 10, 15, 20 and 30. Above a sensing range of 100A, the advanced model can use external current transformer configurations to achieve a maximum rating of 800A.



## >> PRODUCT SPOTLIGHT

### Machine Vision Platform

The Amadeus Platform, a new modular machine vision platform by Encompass™ Product Partner **Hermery**, uses a unique modular architecture, incorporating industry standards to allow easier integration with both Hermery and other automation components.

The platform is designed to facilitate harmonious operation of any connected machine devices within a domain. Configuration and control of all machine vision components — cameras, lasers, illuminators and more — are performed from a centralized com-

puter. The platform's high level of synchronization allows machine vision devices to work together in a collaborative manner.

Its modular system architecture increases its flexibility to easily add and remove functionality from a system and develop new capabilities. As technology advances, new devices can be added to the platform by simply developing a hardware-specific interface to incorporate new devices and components. All other system-level software and hardware elements stay the same.

