



## iQ-R Series Integrated Control Platform

Mitsubishi Electric Automation, Inc. announces the introduction of the iQ-R Series which incorporates sequence, motion, safety, process, and C language control into one platform. The iQ-R Series control platform is designed for applications requiring integrated motion and safety control, tight synchronization between various processes and high production throughput. It is specifically designed for applications within the automotive, food and beverage, material handling, life sciences, and electronics manufacturing industries.



The integrated design allows machines or production lines to consolidate control in one rack. The system can have up to 4 CPUs per rack for various combinations of motion, sequence or process control.

Key features of the iQ-R Series include:

- 0.98 ns execution speed
- Multi-discipline control with up to 4 CPUs in a single rack
- High-speed bus
- GX Works3 programming software with built-in functions and configuration screens
- CC-Link IE field network with deterministic performance over industrial Ethernet
- Built-in SD memory card database



### HMI TRAINING



\$450 per seat.

8am - 1pm, Lunch included.

**Cincinnati:**..... Tues., 5/3/16

**Dayton:**..... Thurs., 5/5/16

**Columbus:**..... Tues., 5/10/16

**Sidney:**..... Thurs., 5/12/16

For more information or to register, please contact BJ Wahsum, [bj.wahsum@beckerelectric.com](mailto:bj.wahsum@beckerelectric.com) or call (513) 326-7148.

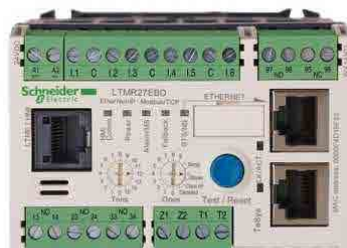


## TeSys T Motor Management System

TeSys T covers all motor monitoring and protection needs in industrial installations in which a high degree of availability of production equipment is an essential requirement.

TeSys T is also the most efficient protection solution for sectors relating to our everyday life such as energy (oil, gas, etc.), chemistry, the pharmaceutical industry, treatment and distribution of water, etc.

Fully open, it communicates with commonly used Ethernet networks and protocols: Modbus/TCP and EtherNet/IP, and can also communicate via Modbus, CANopen, DeviceNet, PROFIBUS DP protocols.



TeSys T consists of:

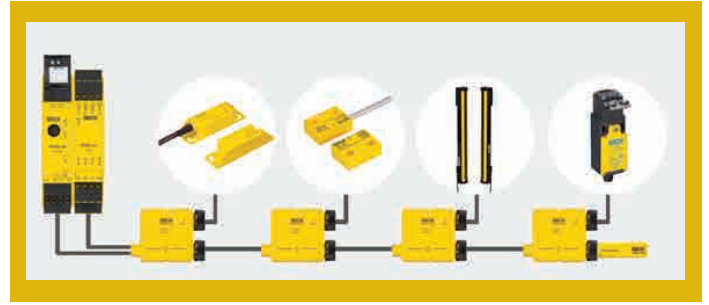
- an efficient multi-function protection device, separate from the automation system;
- an operator control unit, for reading and modification of the parameters monitored;
- a configuration software, extremely simple and user-friendly intended for implementation of motor starters equipped with TeSys T.

An expansion module completes the controller functions with voltage measurement and additional logic inputs.

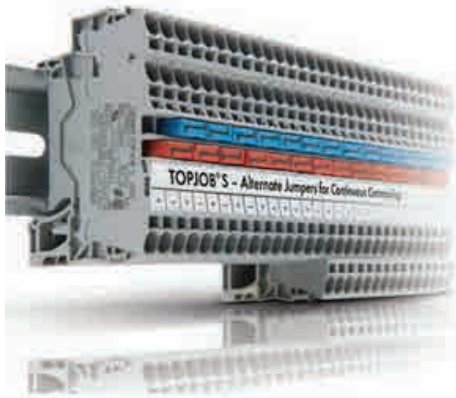
# SICK

## Sensor Intelligence.

The Flexi Loop can cascade up to 32 sensors while maintaining the highest performance level. Safety switches and safety sensors with OSSD outputs can be used together regardless of the sensor manufacturer. In addition, for each sensor or switch there is detailed diagnostic information available. Integrated switching signals allow for the use of interlocks, switches and lamps. All sensors are supplied with power directly from the Flexi Loop. Unscreened standard cables are used with M12 plugs. In total Flexi Loop guarantees the highest level of security. Cascading sensors reduces the amount of wiring and the number of safety inputs in the control cabinet. It also provides a comprehensive diagnostic check of all doors, emergency stop pushbuttons and sensors. In conjunction with the Flexi Soft and the Flexi Classic, the entire safety application is able to cost-effectively meet customer needs.



## Introduces an alternate 1 to 3 jumper solution for continuous commoning.



2002 Series adjacent and alternate endless jumpers are uniquely designed so that the jumper leg contact of two adjacent jumpers can be inserted into one jumper slot. This makes commoning applications easier than ever.

### **Endless jumpers feature:**

- Flexible commoning within a single jumper row, allowing the second jumper row to be used for other functions
- Colored jumpers in red and blue provide visual indication of + and – signals
- Jumpers can also be stored during maintenance in a convenient DIN rail carrier, allowing easy storage and sorting of jumpers

TOPJOB®S offers the industry's widest offering of jumpers, featuring push-in, staggered, step-down jumpers, wire jumpers and many more. The exclusive jumper retention spring in TOPJOB®S terminal blocks ensures vibration-proof connection of all jumper types.



1-877-374-3444



automation@beckerelectric.com



Dayton, OH  
937-226-1341

Sidney, OH  
937-497-8050

Tallapoosa, GA  
770-574-7435

Cincinnati, OH  
513-771-2550

Indianapolis, IN  
317-757-5390

Columbus, IN  
812-372-8871

Columbus, OH  
614-272-8800

[beckerelectric.com](http://beckerelectric.com)

Greensburg, IN  
812-662-6363

### First look through the door...



# Automation Lab