The New 5020 Link Sensor Interface

OmniLink 5000 Die Protection Logic Module

Up to 16 sensor outputs to die protection logic

- Proximity Sensors
- Optical Sensors
- Fiber Optic Sensors
- Link Infrared Parts Detectors

Widely available “Micro DC” style connectors allow the use of sensors with standard molded cables with “Micro DC” plugs or the use of field wireable “Micro DC” plugs to terminate sensor cables.

Optional sensor dock can be press or die mounted to provide 8 additional “Micro” receptacles for inputs 9-16.

The Link Sensor Interface power supply provides 1A at 24V.

Quick Connect Receptacle for up to 8 inputs from sensor dock or up to 16 inputs from user’s die mounted sensor box with receptacle.

User’s die mounted sensor box with cable connector for up to 16 inputs to Link Sensor Interface.

LED indicators show status of each input sensor.

Alternative use of binding posts rather than receptacles for inputs 1-4 allows quick single wire connection of probes and other grounding type mechanical sensors.

The new 5020 Link Sensor Interface is a truly versatile die protection and process monitoring interface system to simplify the quick connection of up to 16 sensors of diverse types to die protection logic units.

444 McNALLY DRIVE, NASHVILLE, TENNESSEE 37211
TELEPHONE 615/833-4168 FAX 615/834-1984 www.linkelectric.com
EXAMPLES OF SENSORS THAT CAN BE USED WITH THE LINK SENSOR INTERFACE

**SENSE WIREABLE “MICRO DC” PLUGS**

**ELECTRONIC SENSORS WITH INTEGRAL CABLE OR THREADED TO ACCEPT MOLDED CABLE CONNECTOR**

**SIMPLE PROBES & OTHER MECHANICAL SENSORS**

### SPECIFICATIONS

**SENSORS ACCOMODATED**
- Sensors with npn or pnp open collector outputs with no LED indicators
- Sensors with npn or pnp open collector outputs with LED indicators that are not driven in parallel with the load
- Probes and other mechanical sensors
- Link 3040 & 3080 Infrared Parts Detectors

**SENSOR INTERFACE POWER SUPPLY**
24VDC @ 1Amp MAX output. Input power: 95-140VAC 50/60 Hz, 0.3A

**SENSOR INPUTS**
16 MAX TOTAL
- 8 Max through individual connectors 1-8 on Sensor Interface enclosure
- 16 Max through the Quick Connect Receptacle on Sensor Interface enclosure (each sensor connection to individual connectors 1-8 on the Sensor Interface enclosure reduces by 1 the connections available through the Quick Connect Receptacle).

**SENSOR CONNECTIONS PROVIDED**
Signal (N/O), Power, and Common for individual & Quick Connect receptacles. Signal only if binding posts are used for inputs 1-4.

**SENSOR THRESHOLD ON-STATE VOLTAGE REQUIREMENTS**
On-state (actuated) sensor output voltage must be < 5 volts for npn and mechanical sensors and > 19 volts for pnp sensors. Multiple sensors may be used in series or parallel to one input if their combined outputs do not violate the on-state threshold voltage requirements. When binding posts are used as inputs on inputs 1-4 for probes/mechanical sensors a switch can select high impedance or low impedance for each input.

**ENCLOSURE**
10.2”H x 6.2”W x 4.15”D (259mm x 157.5mm x 105.4mm)

**RECEPTACLES**
Individual receptacles: 4 socket “Micro DC” style (multiple sources)
Quick Connect Receptacle: 19 socket Amphenol 97-3102A-22-14S
Other Quick Connect Receptacles available at added cost & lead time

**PLUGS FOR RECEPTACLES**
(Not included in price of the Link Sensor Interface) May be ordered from Link or other sources
Plugs for individual receptacles: 4 pin “Micro DC” (multiple sources)
Quick Connect Plugs: 19 pin Amphenol 97-3106A-22-14S (Straight) or 97-3108A-22-14S (Right Angle).
Other Quick Connect Plugs available at added cost & lead time.