

Relay modules protect against motor damage



AutomationDirect has added Dold safety speed relay modules to its line of safety products.

The BH5932 speed monitor relay module is designed to monitor two sensor inputs that are detecting rotating targets on a motor shaft. This monitor relay features two-channel operation and can be used for standstill and overspeed monitoring of three-phase motors. When used as a standstill monitor, a switch point is set just above the “safe” or normal operating speed. When motor speed rises above this setting, the relay opens to protect against motor damage. The BH5932 relay module has an adjustable impulse-per-minute (IPM) range of 10 to 20,000 IPM, LED status indicators, two PNP sensor inputs, and two normally-open and one normally-closed positive-guided contacts. Available for 24VDC, 120VAC, and 230VAC supply voltages, prices start at \$279.

The LH5946 standstill monitor relay module provides safe standstill detection on single-phase and three-phase motors (up to 690V) by monitoring remanence voltage without external sensors. The monitor relay modules are designed with broken wire detection and provide three normally-open and one normally-closed positive-guided safety contacts. Available in adjustable 20 to 400mV and 0.2 to 4V voltage response ranges, standstill monitor relay modules are equipped with LED status indicators and adjustable time delay; semiconductor outputs monitor relay state. Available for 24VDC, 120VAC, and 230VAC supply voltages, prices start at \$349.

Safety speed relay modules are cULus, CE, and RoHS approved and are backed with a one-year warranty.

AutomationDirect

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