

New Relay Module for Functional Safety

WAGO's new Safety Relay Module (750-669/000-003) not only features four fail-safe relay outputs, but also offers four fail-safe digital inputs for a wide application range.

With its four isolated output channels, the new Safety Relay Module from the WAGO-I/O-SYSTEM 750 switches both high capacitive and inductive loads up to 48 VAD/60 VDC. The module also features four fail-safe feedback inputs for various monitoring applications (e.g., contactors' switching conditions).

Top Features, Cost-Effective Solution

The Safety Relay Module supports a PROFIsafe-compatible iPar server. When a device is replaced, this server transfers the correct parameters automatically and securely to the new I/O module. Other features, such as an output current of 6 A per channel, pulse-current resistance up to 30 A and a total current of 24 A enhance the module's practicality. Thanks to its extensive capabilities, the relay module packs an outstanding price/performance ratio into a width of just 48 mm – perfect for space-saving mounting on DIN-rails.

Full Range of Setting Options

The relay module can be easily configured using a WAGO controller's device description file. All inputs can be easily configured and documented via WAGO-I/O-CHECK software. In addition to error evaluation such as short circuit, external voltage and discrepancy, the Safety Relay Module also offers different filter times and operation modes. An additional advantage is that parameters can also be accessed via "Tool Calling Interface" (TCI) engineering software.



With outputs for single-phase and three-phase currents, WAGO's new Safety Relay Module safely switches high capacitive and inductive loads (e.g., power contactors, individual valves) up to 48 VAC and 60 VDC. This new I/O module is also ideal for connecting safety sections of machines to obtain interlinked systems.