

Guard Safety Attributes

These are the attributes associated with the built-in Safety functionality of an axis. These attributes relate to the behavior of a configurable Safety Core within the drive that executes basic drive safety functions using hardwired safety inputs and safety outputs. These functions do not require the services of a CIP Safety network connection. This safety functionality covers the following safety functions as defined by IEC-61800-5-2, EN-954-1, and IEC-60204 standards:

- Safe Restart
- Safe Stop
- Safe Limited Speed
- Safe Speed Monitoring
- Safe Maximum Speed
- Safe Direction Monitoring
- Safe Door Monitoring
- Safe Door Monitoring

The Guard Status and Guard Fault attributes are defined in the axis to monitor the behavior of built-in Drive Safety functionality. The term Guard is used for these status attributes to differentiate these attributes from the Safety status attributes associated with the integrated Safety functionality provided by a CIP Safety connection.

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