Built-In Battery-Free Absolute Sensor

The \textit{\alpha\textsuperscript{STEP} AZ} Series is Now “Functional Safety*” Certified.

* Incorporates the STO (Safe Torque Off) function

This certification simplifies the handling of safety systems. It makes it possible to reduce peripheral equipment, simplifies wiring and saves space.

SIL3, PL-e Functional Safety* Certification Has Been Obtained

* Incorporates the STO (Safe Torque Off) function

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Applicable Products

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<tr>
<td>Pulse Input Type</td>
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Drivers with Built-In Safety Functions Simplify Components
A driver with a built-in safety function can prevent unintended operation, which eliminates the need for contactors. This allows for reduced equipment wiring and saved space.

When using a driver without a built-in safety function

When using the AZ Series (Drivers with a built-in safety function)

The STO Function Prevents The Unintended Start of The Motor while It Is Stopped
Certified products have an STO (Safe Torque Off) function, which disconnects the supply of power to the motors. By disconnecting the power supply to the motor, the risk posed by dangerous movement of the equipment’s moving parts is reduced.

Safety of operators is maintained using an enclosure and door

The STO function prevents unintended movement and maintains safety of operators

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