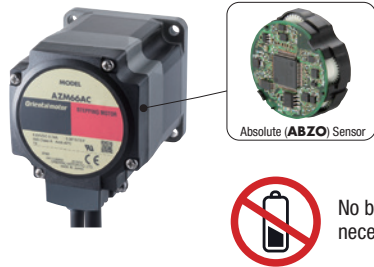


## AZ Series and Its Connectivity with SIEMENS PLCs

### $\alpha$ STEP AZ Series

$\alpha$ STEP AZ Series is a motor equipped with a Battery-Free Absolute Mechanical Sensor (**ABZO** Sensor). Ether CAT, EtherNet/IP and compatible drivers have been added for better and easier connection with SIEMENS PLCs. The product can now help improve productivity and reduce costs with better network connection.



PROFINET



### PROFINET communication to connect with SIEMENS PLCs

AC Power Supply Input

Frame Size 42 - 90 mm  
(100 W - 750 W equivalent)

PROFINET

A set-up manual and function blocks are available.

DC Power Supply Input

Frame Size 20 - 60 mm  
(50 W - 200 W equivalent)

PROFINET

A set-up manual and function blocks are available.



Simatic  
© Siemens AG



AC Input



Simatic  
© Siemens AG



DC Input

### Various motors and actuators to connect



Simatic  
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Same driver, unified control and less stock inventory

All **AZ** Series motors and electric actuators equipped with the **AZ** Series can be controlled with **AZ** drivers. The products below are examples of actuators that can be used.

AC Input, DC Input



AZ Series



DG2 Series



EAS Series



EAC Series

AC Input

DC Input



L Series



DR Series



DRS2 Series



EH Series

Control through network

- Input and execute motion
- Set parameters
- Check alarm

Less wiring process

- Wiring can be unified to one cable with Ether CAT or EtherNet/IP
- Prevent wiring mistake

# Features of AZ Series PROFINET compatible drivers



Simatic  
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## Visualization with the monitoring function

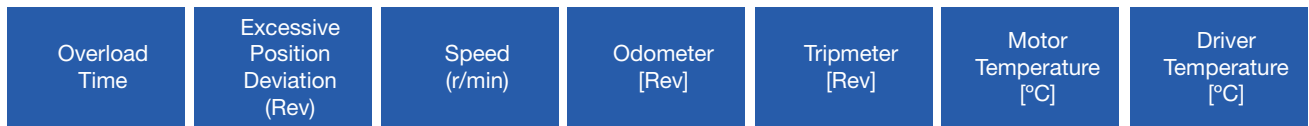
How to capture the change daily ... Monitor with numeric value



The accumulated data will help analyze and assist in detecting signs of change.

## Information functions useful for preventive maintenance

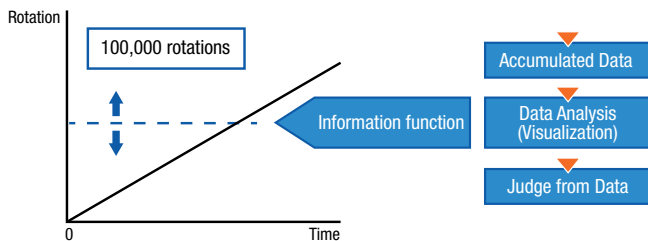
A certain state has been reached ... Information output (ON/OFF)



Signal when the value is reached. The machine can be stopped safely from the PLC before the alarm.

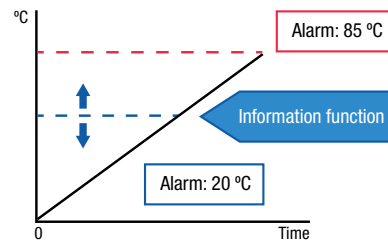
### • Tripmeter Information

The signal will turn on when the motor exceeded the travel distance that is preset to trigger. (The motor will keep operating.)



### • Motor Temperature Information

The signal will turn on when the motor reaches the motor temperature that is preset to trigger. (The motor will keep operating.)

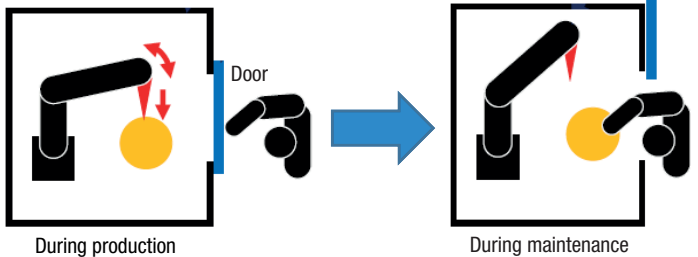


### • Equipped with the STO (Safe Torque OFF) Function\*

STO will reduce the risk brought from movable mechanical part by cutting off power.

Note: The power supplying will be shut off after the motor stops.

Hazards and people are isolated with an enclosure or guard (door)



\*Only available for AC power supply.

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