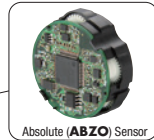


AZ Series and Its Connectivity with SIEMENS PLCs

α STEP AZ Series

α 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.



No battery necessary.

PROFI
NET



BRETZEL GmbH
Antriebs- und Elektrotechnik
Am Rotböll 8
64331 Weiterstadt

www.bretzel-gmbh.de
info@bretzel-gmbh.de
Telefon: 0 61 50 / 8 65 60 - 0

PROFINET communication to connect with SIEMENS PLCs

AC Power
Supply Input

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

PROFI
NET

A set-up manual and
function blocks are available.



Simatic
© Siemens AG



AC Input

DC Power
Supply Input

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

PROFI
NET

A set-up manual and
function blocks are available.



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.

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

AC Input, DC Input



AZ Series



DG2 Series



EAS Series



EAC Series

AC Input

DC Input



L Series



DR Series



DR52 Series



EH Series

Features of **AZ** Series PROFINET compatible drivers



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Visualization with the monitoring function

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

Torque Monitor [%]	Cumulative Load Monitor	Main Power Supply Time	Driver Temperature [°C]	Motor Temperature [°C]	Odometer [Rev]	Tripmeter [Rev]
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The accumulated data will help analyze and assist in detecting signs of change.

Information functions useful for preventive maintenance

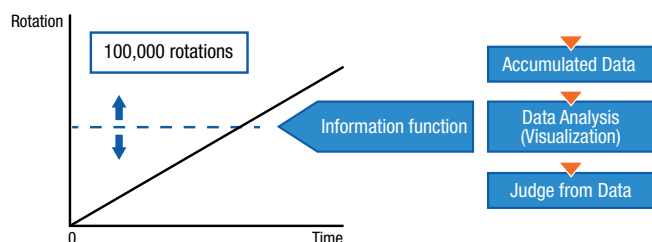
A certain state has been reached ... Information output (ON/OFF)

Overload Time	Excessive Position Deviation (Rev)	Speed (r/min)	Odometer [Rev]	Tripmeter [Rev]	Motor Temperature [°C]	Driver Temperature [°C]
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Signal when the value is reached. The machine can be stopped safely from the PLC before the alarm.

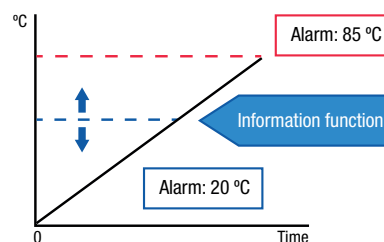
• Tripmeter Information

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.)

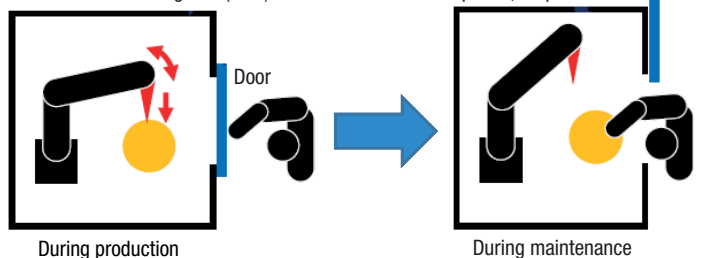


• Equipped with the STO (Safe Torque OFF) Function*

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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Orientalmotor



contact@orientalmotor.de
www.orientalmotor.eu

