

Original Instructions

1. Marking

Incremental Rotary Encoder RVS58S-YY*****_*****(:**)

The *-marked letters of the type code are placeholders for versions of the device.

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2. Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismantling lies with the plant operator.

The personnel must be appropriately trained and qualified in order to carry out mounting, installation, commissioning, operation, maintenance, and dismantling of the device. The trained and qualified personnel must have read and understood the instruction manual.

Prior to using the product make yourself familiar with it. Read the instruction manual carefully.

3. Reference to Further Documentation

Observe directives, standards, and national laws applicable to the intended use and the operating location.

The corresponding datasheets, manuals, declarations of conformity, EU-type examination certificates, certificates, and control drawings if applicable supplement this document. You can find this information under www.pepperl-fuchs.com.

For specific device information such as the year of construction, scan the QR code on the device. As an alternative, enter the serial number in the serial number search at www.pepperl-fuchs.com.

If you use the device in safety-related applications, observe the requirements for functional safety. You can find these requirements in the functional safety documentation under www.pepperl-fuchs.com.

4. Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

The device is an electrical apparatus that converts rotational motion into electrical signals.

Use the device only within the specified ambient and operating conditions. If you use the device in safety-related applications, observe the information for safety function and safe state.

5. Improper Use

Protection of the personnel and the plant is not ensured if the device is not used according to its intended use.

6. Mounting and Installation

Do not mount a damaged or polluted device.

If you install the device in safety-related applications, observe the requirements for functional safety.

Ensure that all fasteners are present.

Observe the tightening torque of the screws.

Ensure that the device is connected slip-free to the drive.

Secure the screws against loosening by suitable locking varnish or similar means.

Only use accessories specified by the manufacturer.

The device must be disconnected from the power supply prior to installation and maintenance. The power supply may be activated only after all the circuits required for operation have been fully assembled and connected.

Disconnect the device, before you plug or unplug the terminals.

Disconnect the device, before you plug or unplug the plugs.

Specific Conditions of Use

Mount the device in a way that the device is protected against mechanical hazard.

Install cables and cable glands in a way that they are not exposed to mechanical hazards.

Protect the cables from tensile load and torsional stress.

The device can get very hot during operation. To protect the device from excessive heating, observe the required clearances and sufficient ventilation when installing the device.

Do not exceed the maximum permissible operating voltage $U_{b \max}$. Tolerances are not permitted.

Provide a transient protection. Ensure that the peak value of the transient protection does not exceed 60 V.

Protect the device against strong electromagnetic fields.

Avoid inadmissibly high electrostatic charge of the metal housing components on the device.

Include the metal housing components in the equipotential bonding.

Observe the tightening torque of the screws.

7. Operation, Maintenance, Repair

If you operate the device in safety-related applications, observe the requirements for functional safety. In case of operating in low demand mode, plan appropriate intervals for the proof test.

Do not use a damaged or polluted device.

Disconnect the device, before you plug or unplug the terminals.

Disconnect the device, before you plug or unplug the plugs.

Specific Conditions of Use

Do not repair, modify, or manipulate the device.

If there is a defect, the device must be repaired by Pepperl+Fuchs.

If there is a defect, always replace the device with an original device.

8. Delivery, Transport, Disposal

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

Keep the original packaging. Always store and transport the device in the original packaging.

Store the device in a clean and dry environment. The permitted ambient conditions must be considered, see datasheet.

The device, built-in components, packaging, and any batteries contained within must be disposed in compliance with the applicable laws and guidelines of the respective country.