The cable glands used must be suitably certified for the application.

- galvanized steel
- brass

4 increased depth from standard range

Enclosure wall
- counter
- all seals must be undamaged and correctly fitted

Enclosure exterior
- faces A, B, C, D

To ensure the IP degree of protection:

- all screws of the surrounding enclosure and its cover must be tightened with the appropriate torque
- only cable of the appropriate size must be used in the cable glands
- all cable glands must be tightened with the appropriate torque
- all empty cable glands must be sealed with the corresponding plugs

When installing additional components, make sure that these components are listed in the EC-Type-Examination Certificate of the control station.

Select suitable conductors in order to ensure that the maximum permitted temperature of the conductors fits the maximum permitted ambient temperature of the control station.

- Note:

  The maximum bending radius has to be adhered to.

When installing the conductors the insulation must reach up to the terminal.

The replacement of components is permitted if you replace the components with original components from Pepperl+Fuchs. A combination with components from other manufacturers is not permitted.

Validity

Specific processes and instructions in this document require special precautions to guarantee the safety of the operating personnel.

- Target/Group/Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismounting lies with the system operator.

Mounting, installation, commissioning, operation, maintenance and disassembly of any devices may only be carried out by trained, qualified personnel. The instruction manual must be read and understood.

Reference to Further Documentation

Observe laws, standards, and directives applicable to the intended use and the operating location. Observe Directive 1999/92/EC in relation to hazardous areas.

The corresponding data sheets, declarations of conformity, EC-type-examination certificates, certificates and control drawings if applicable (see datasheet) are an integral part of this document. You can find this information under www.pepperl-fuchs.com.

Mounting and Installation

Observe the installation instructions according to IEC/EN 60079-14.

If you intend to install the device or enclosure in areas that may be exposed to aggressive substances, ensure that the stated surface materials are compatible with these substances. If required, contact Pepperl+Fuchs for further information.

Before opening the enclosure make sure that the built-in components are de-energized. When energized, the enclosure may only be opened for maintenance, if only intrinsically safe circuits are used inside the enclosure. Safety-relevant markings are found on the type label supplied. Ensure that the type label is present and legible. Take the ambient conditions into account. The permitted ambient temperatures of the built-in components must not be exceeded.

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

Use only one conductor per terminal.

If cable glands are needed for installation, the following points must be considered/evaluated:

- The cable glands used must be suitably certified for the application.
- The temperature range of the cable glands must be chosen according to the application.
- The cable glands fitted must not reduce the IP rating.

When you use stranded wires, clip on wire ferrules. In order to guarantee the temperature classes, ensure that power dissipation is lower than the figure stated in the certificate. Most of the power dissipation arises from current flowing in the cables.

In order to minimize power dissipation, observe the maximum possible cable lengths. Observe the tightening torque of the terminal screws. Unused conductors must be either connected to terminals or securely tied down and isolated.

When mounting the enclosure on concrete use expanding bolts. When mounting the enclosure to a steel framework use vibration resistant mounting equipment.