

Safety Instructions

Soliswitch FTE20

Point level switch

Ex ta IIIC T₂₀₀ T110 °C Da (Process)

Ex tb IIIC T110 °C Db (Enclosure)




Soliswitch FTE20

Point level switch

Table of contents


About this document	4
Associated documentation	4
Supplementary documentation	4
Manufacturer´s certificates	5
Manufacturer address	5
Safety instructions	6
Safety instructions: Installation	6
Safety Instructions: Special conditions of use	7
Electrical connection data	7

About this document

 This document has been translated into several languages. Legally determined is solely the English source text.

The document translated into EU languages is available:

- In the download area of the Endress+Hauser website:
www.endress.com -> Downloads -> Manuals and Datasheets -> Type: Ex Safety Instruction (XA) -> Text Search: ...
- In the Device Viewer: www.endress.com -> Product tools -> Access device specific information -> Check device features

 If not yet available, the document can be ordered.

Associated documentation

This document is an integral part of the following Operating Instructions:

- Operating instructions: BA01069F
- Technical information: TI01047F

Supplementary documentation

Explosion protection brochure: CP00021Z

The Explosion-protection brochure is available:

- In the download area of the Endress+Hauser website:
www.endress.com -> Downloads -> Brochures and Catalogs -> Text Search: CP00021Z
- On the CD for devices with CD-based documentation

**Manufacturer's
certificates****NEPSI certificate**

Certificate number: GYJ21.1229

Affixing the certificate number certifies conformity with the following standards (depending on the device version)

- GB 12476.1-2013
- GB 12476.5-2013

CCC certificate

Certificate number: 2021322315003807, 2021322315003963

Affixing the certificate number certifies conformity with the following standards (depending on the device version)

- GB/T 3836.1-2021
- GB/T 3836.31-2021



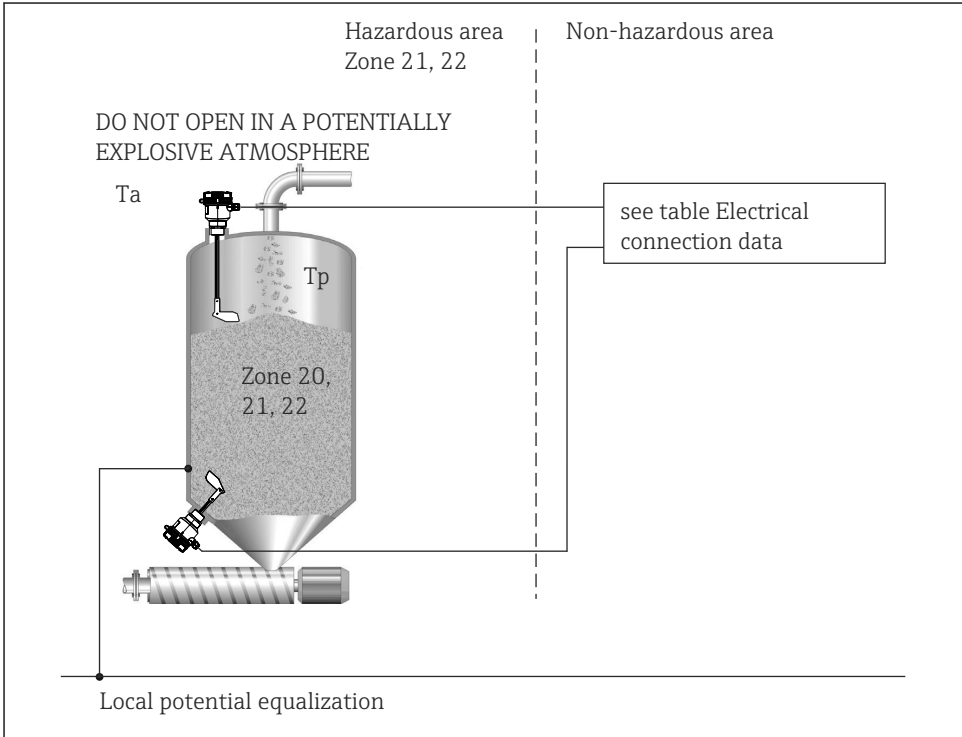
Please refer to NEPSI/CCC certificates for conditions of safe use.

**Manufacturer
address**

Endress+Hauser Wetzer GmbH + Co. KG
Obere Wank 1
87484 Nesselwang, Germany

Endress+Hauser Wetzer (Suzhou) Co. Ltd.
31 Jiang-Tian-Li-lu
Suzhou Industrial Park 215126, China

Safety instructions



A0047131

Safety instructions: Installation

- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and any other valid standards and regulations (e.g. EN/IEC 60079-14).
- Seal the cable entries tight with certified cable glands (min. IP6X) IP6X according to EN/IEC 60529.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.
- After mounting and connecting the Soliswitch, check that a degree of protection of at least IP66 to EN/IEC 60529 has been attained (screw lid tight, mount cable glands correctly).
- The Soliswitch must be connected to the potential matching line.

Safety**Instructions:****Special conditions
of use**

To prevent the risk of electrostatic sparking, non-metallic surfaces should be cleaned with a damp cloth.

**Explosive atmosphere**

- ▶ In an explosive atmosphere, do not open the device when voltage is supplied (ensure that the IP6x housing protection is maintained during operation).

**Electrical
connection data**

Point level switch	Supply voltage U_b
FTE20-xxxxxx1	20 to 28 V_{DC}
FTE20-xxxxxx2	24 V_{AC} 50/60 Hz
FTE20-xxxxxx3	115 V_{AC} 50/60 Hz
FTE20-xxxxxx4	230 V_{AC} 50/60 Hz

Switching output ratings
Max. 125 to 250 V_{AC} 5 A 30 V_{DC} 8 A Min. Switch load 300 mW (5 V/5 A)

Type	Ambient temperature	Maximum surface temperature electronic enclosure (Zone 21 or EPL Db)
FTE20	$-20\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$	T110 °C

Type	Process temperature	Maximum surface temperature process (Zone 20 or EPL Da)
FTE20	$-20\text{ }^{\circ}\text{C} \leq T_p \leq +60\text{ }^{\circ}\text{C}$	T110 °C



71589938

www.addresses.endress.com
