

Cable routing plan

Product name: Top Ex
Version number: 02



**Genau
mein
Klima.**

KAMPMAN

Information on cable laying:

The following information on cable types and cable routing must be observed in accordance with VDE 0100.

The installation, operation and maintenance of these devices must comply with the applicable national laws, standards, regulations and directives.

Without *: NYM-J. The required number of cores including protective conductor is indicated on the cable. Cross-sections are not specified, as the cable length is included in the calculation of the cross-section.

*) : The sensor connection cable (1.5mm²) may have a maximum length of 100 m and must not be laid together with power cables.

K) : PTC thermistor connection, to be laid as a separate cable, shielded cables from 10 m. Lay separately from power cables.

i) : Intrinsically safe circuit in accordance with VDE 0165. Lay separately from power cables.

- If other cable types are used, these must be at least equivalent.

- The connection terminals on the device are suitable for a maximum wire cross-section of 2.5 mm², the mains plug for max. 4.0 mm².

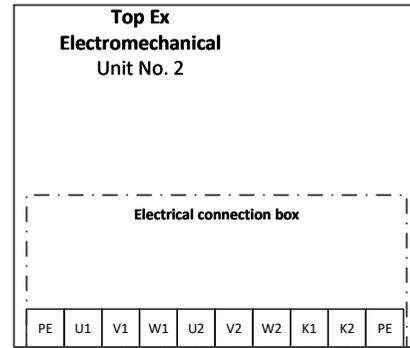
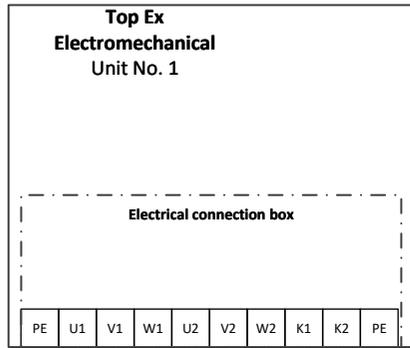
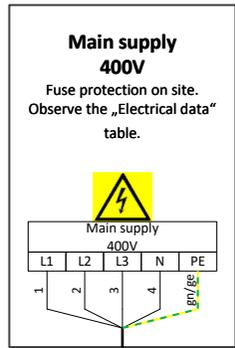
- If residual current circuit-breakers are used, these must be at least mixed-frequency sensitive (type F). The specifications in DIN VDE 0100 Parts 400 and 500 must be observed when designing the rated residual current.

- The electrical data in the following table must be observed when designing the on-site mains supply and fuse protection (C16A, max. 10 devices).

- Cables for data or bus signals are shown with the shield connected at one end. Cables for analog signals are shown with the shield not connected. Due to structural or local conditions and depending on the type and level of interference, which may be caused by magnetic and/or electric fields in high and/or low frequency ranges, it may be necessary to connect the shield differently (connected at both ends or not connected). This must be checked on site and, if necessary, implemented differently from the specifications in the documentation!

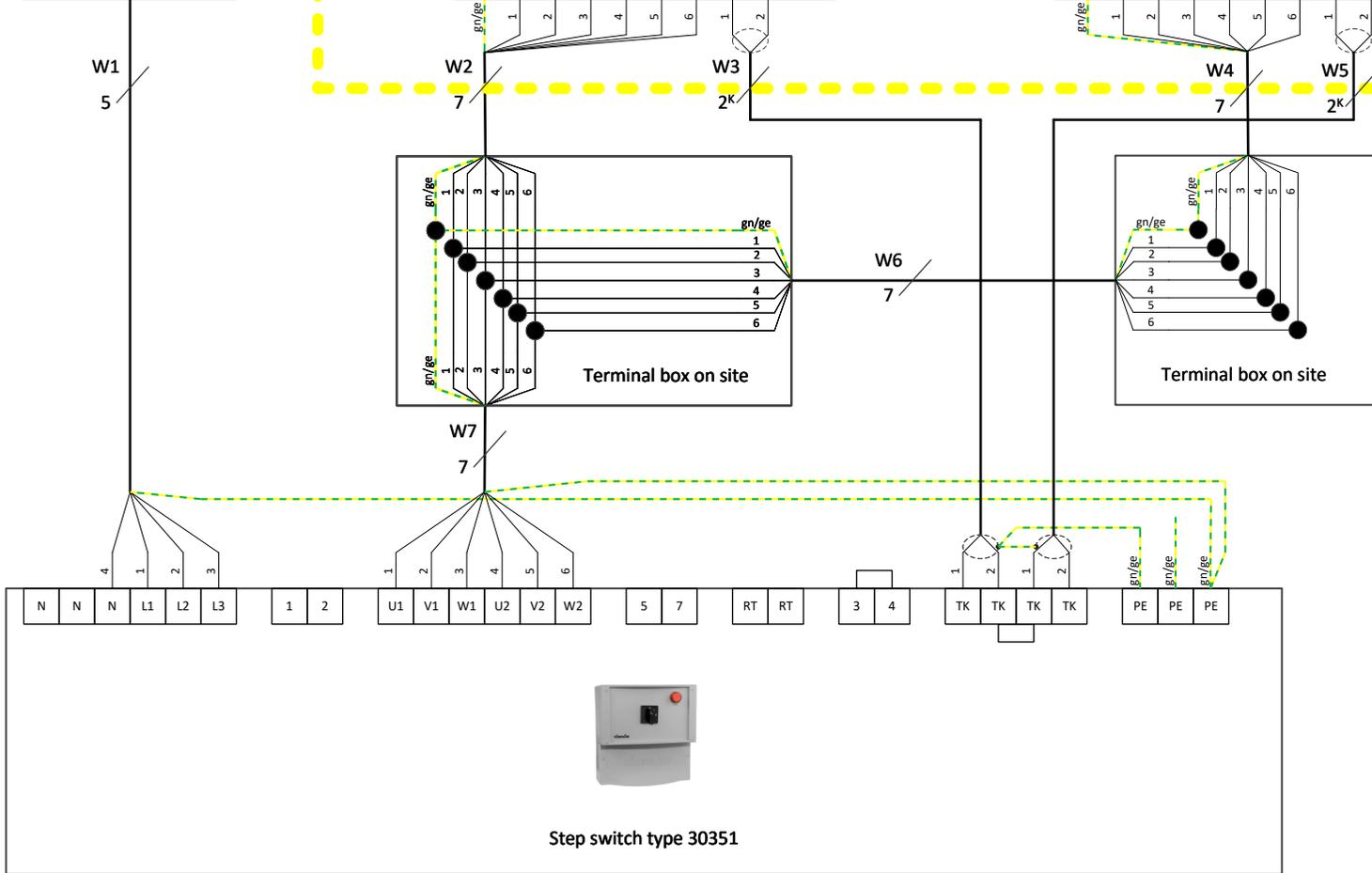
Ex) The requirements for the potentially explosive area from the installation instructions, declaration of conformity and assembly declaration must be observed.

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	Erstelldatum: 02.07.2024					



Ex)

Potentially explosive area

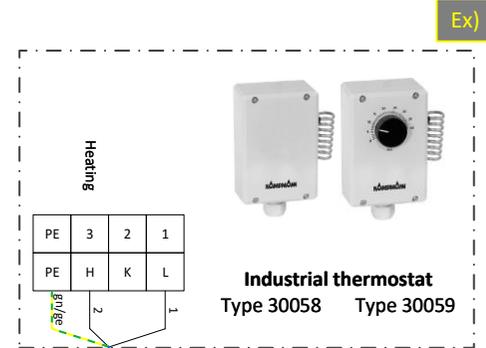
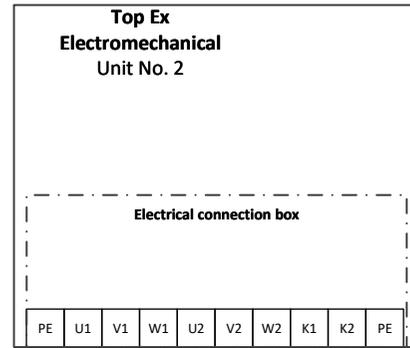
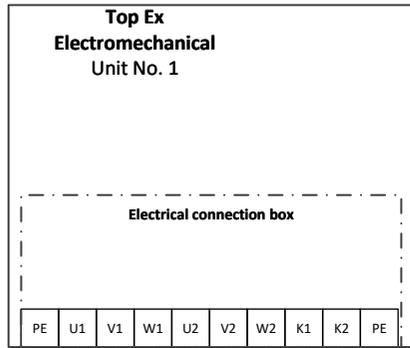
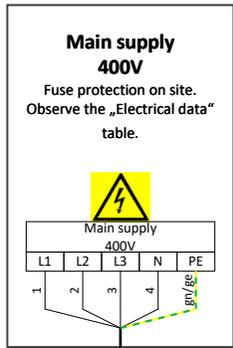


Erstelldatum: 02.07.2024	
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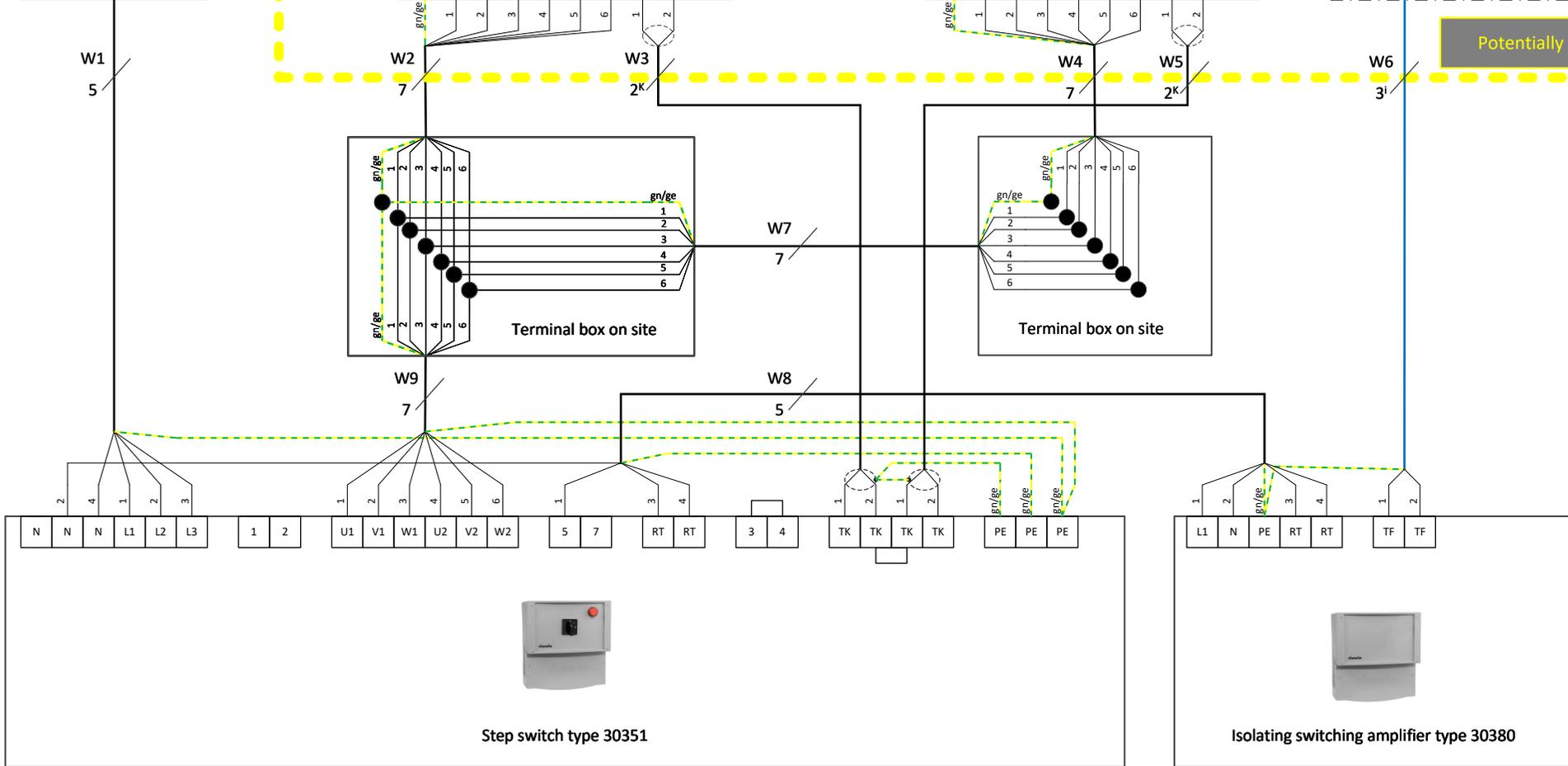
Top Ex, on-load tap-changer type 30351

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Potentially explosive area

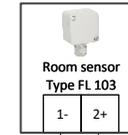
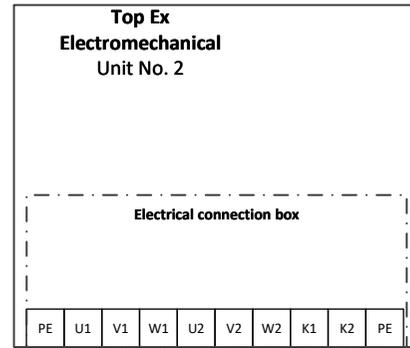
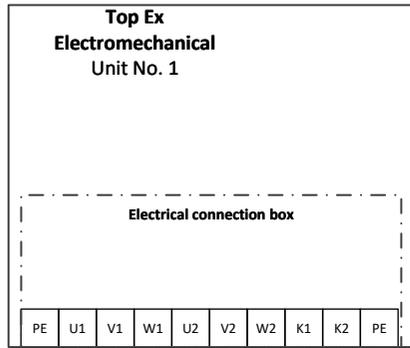
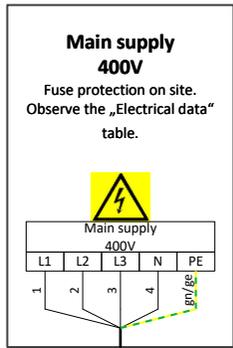


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Top Ex, on on-load tap-changer type 30351,
with isolating switch amplifier type 30380 and
industrial thermostat type 30058/30059

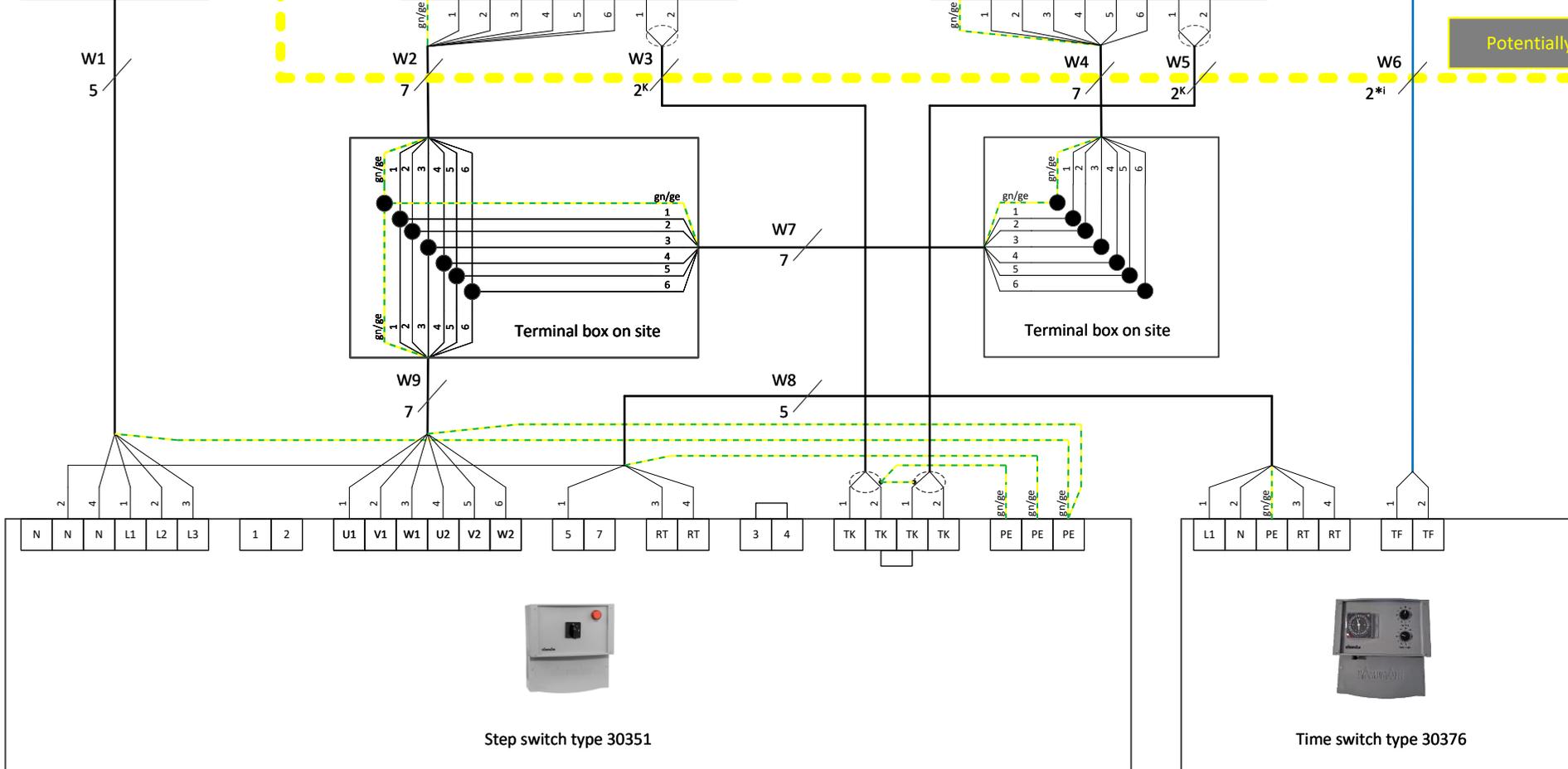
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Potentially explosive area

Ex)



Erstelldatum: 02.07.2024

Top Ex, on on-load tap-changer type 30351,
with time switch type 30376 and
external room temperature sensor

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Kampmann GmbH & Co. KG
Friedrich-Ebert-Str. 128-130
49811 Lingen (Ems)

T +49 591 7108-0
E info@kampmann.de

kampmanngroup.com



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