

Cable routing plan

Product name: Kathern NK
Version number: 01



**Genau
mein
Klima.**

KAMPMAN

Information on cable laying:

The following information on cable types and cable laying must be observed in compliance with VDE 0100.

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

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

*): Shielded cable, J-Y(ST)Y 0.8mm. Lay separately from power lines.

**) : Shielded cable stranded in pairs, e.g. UNITRONIC® BUS LD 2x2x0.22, UNITRONIC® BUS LD 3x2x0.22. Install separately from power lines.

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

- Lines for data or bus signals are shown with shield connected at one end. Lines 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 can be caused by magnetic and/or electric fields in high and/or low frequency ranges, among other things, a different connection of the shield (connected at both ends or not connected) may be necessary. This must be checked by the customer and, if necessary, carried out deviating from the specifications in the documentation!

- Cable length between speed controller and the last device: maximum 100 m, from 20 m connect shield on one side.

- Cable length between room thermostat and temperature sensor or switch contact: maximum 50 m.

- Cable length between speed controller and temperature sensor or switching contact: maximum 100 m.

	Bearbeiter:	Projekt: Test, Ort	General Information	Blatt-Nr.:	 Genau mein Klima.
	Erstelldatum: 16.04.2024	Projekt-Nr.:		2 von 8	

**Main supply
230V**
Fuse protection on site.
Observe the „Electrical data“
table.



Main supply 230V			
L	N	PE	



Katherm NK
Device no. 1



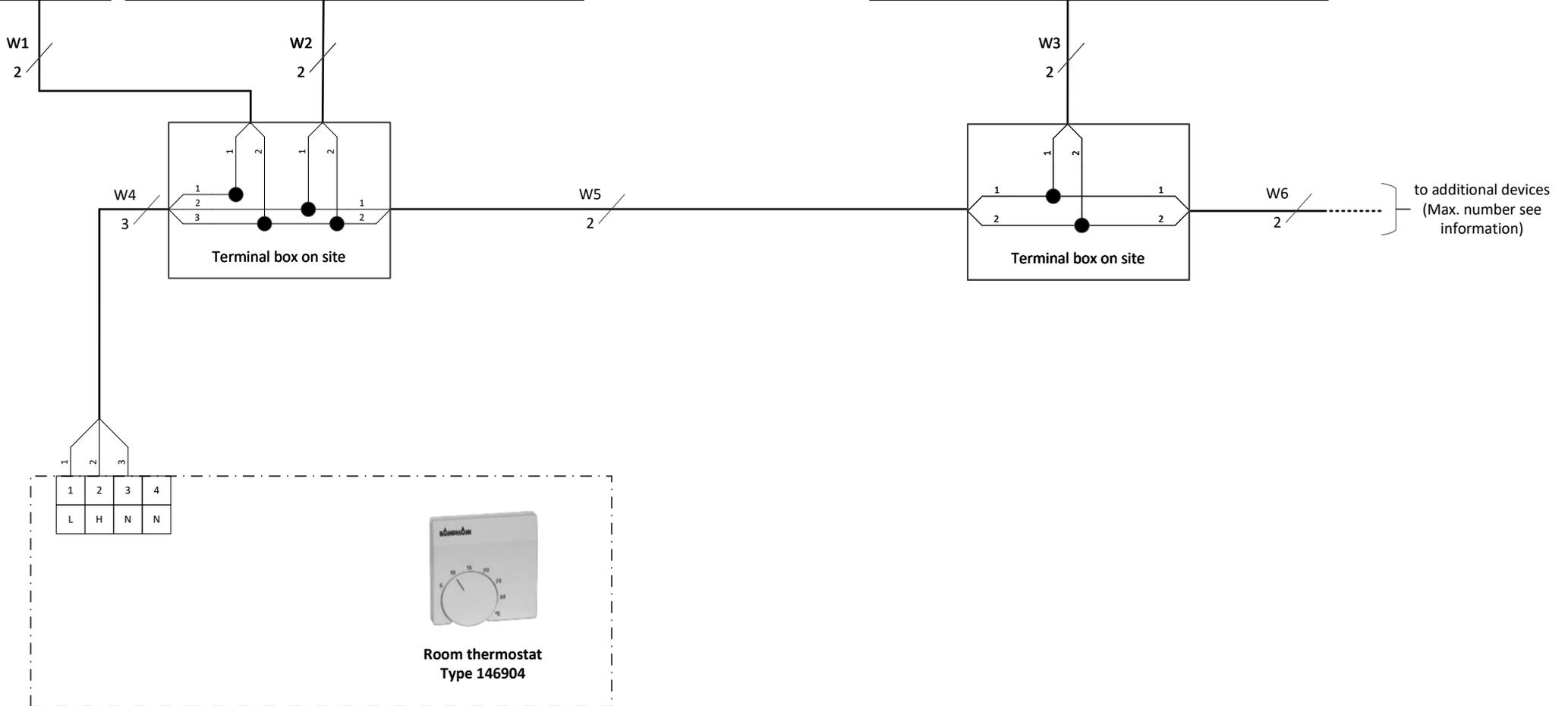
**Thermoelectric
shut-off valve**
230 V
normally closed



Katherm NK
Device no. 2



**Thermoelectric
shut-off valve**
230 V
normally closed

	Bearbeiter:	Projekt: Test, Ort	Katherm NK, Room thermostat type 146904	Blatt-Nr.:	 Genau mein Klima.
	Erstelldatum: 16.04.2024	Projekt-Nr.:		3 von 8	

**Main supply
230V**
Fuse protection on site.
Observe the „Electrical data“
table.



Main supply 230V		
L	N	PE



Katherm NK
Device no. 1



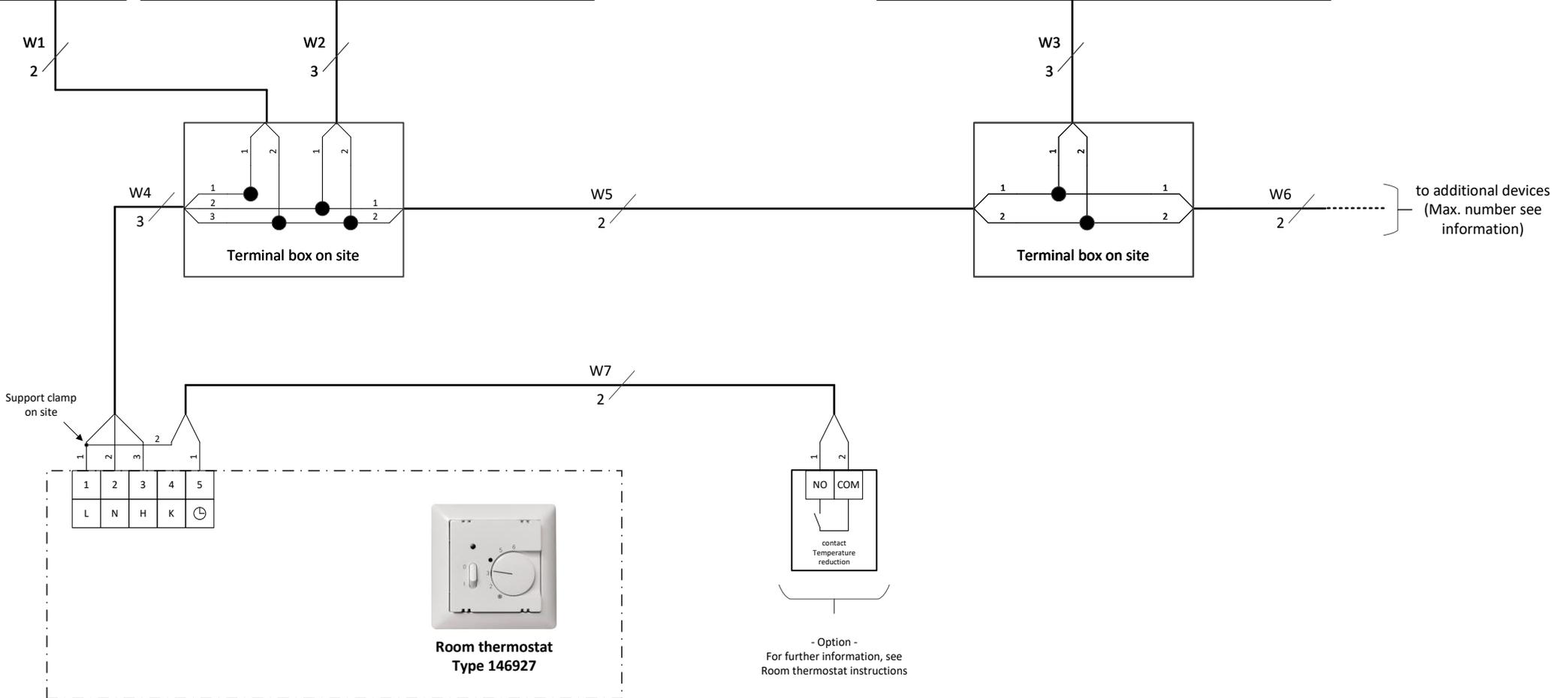
**Thermoelectric
shut-off valve**
230 V
normally closed



Katherm NK
Device no. 2



**Thermoelectric
shut-off valve**
230 V
normally closed

	Bearbeiter:	Projekt: Test, Ort	Katherm NK, Room thermostat type 146927	Blatt-Nr.:	 Genau mein Klima.
	Erstelldatum: 16.04.2024	Projekt-Nr.:		4 von 8	

**Main supply
230V**
Fuse protection on site.
Observe the „Electrical data“
table.



Main supply 230V		
L	N	PE



Katherm NK
Device no. 1



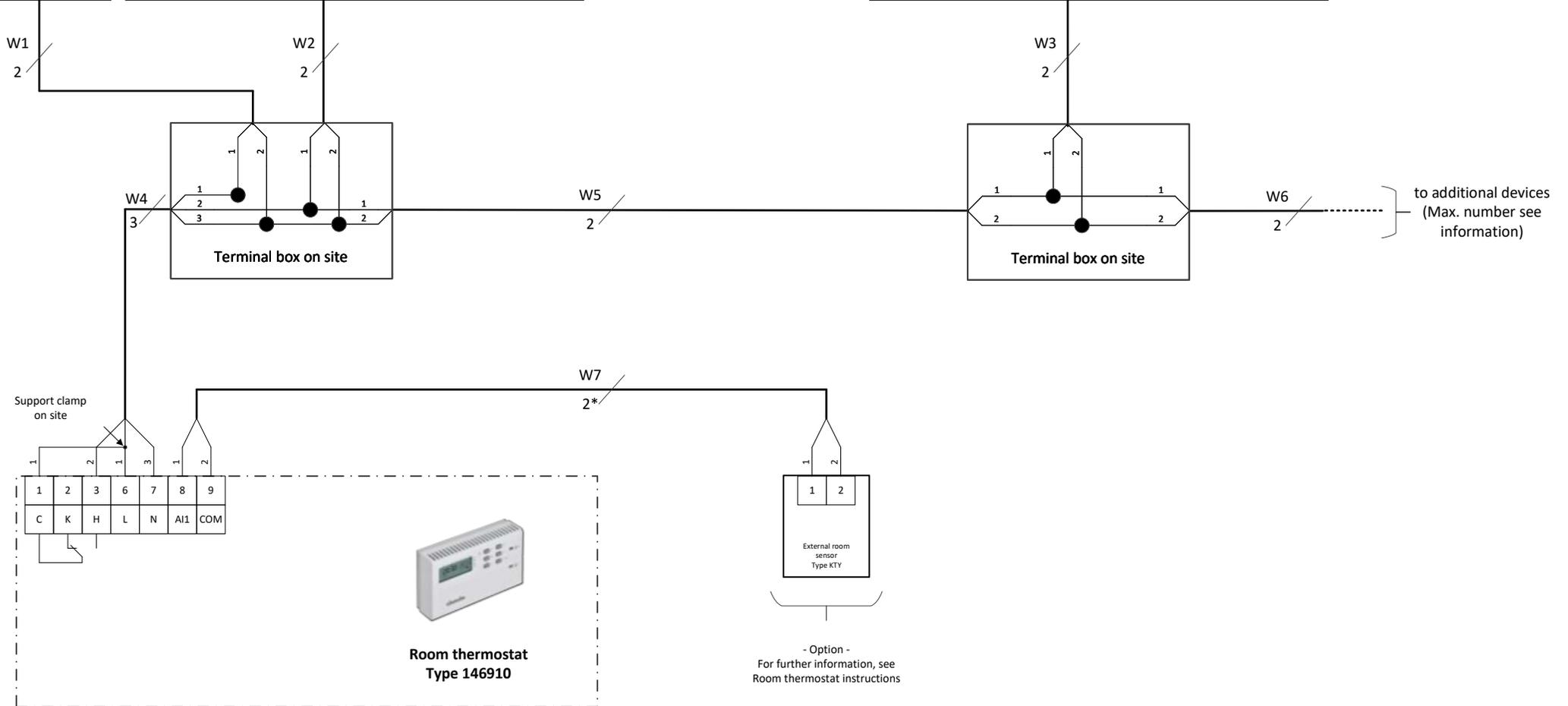
**Thermoelectric
shut-off valve**
230 V
normally closed



Katherm NK
Device no. 2



**Thermoelectric
shut-off valve**
230 V
normally closed

	Bearbeiter:	Projekt: Test, Ort	Katherm NK, Room thermostat type 146910	Blatt-Nr.:	 Genau mein Klima.
	Erstelldatum: 16.04.2024	Projekt-Nr.:		5 von 8	

Katherm NK
Device no. 1

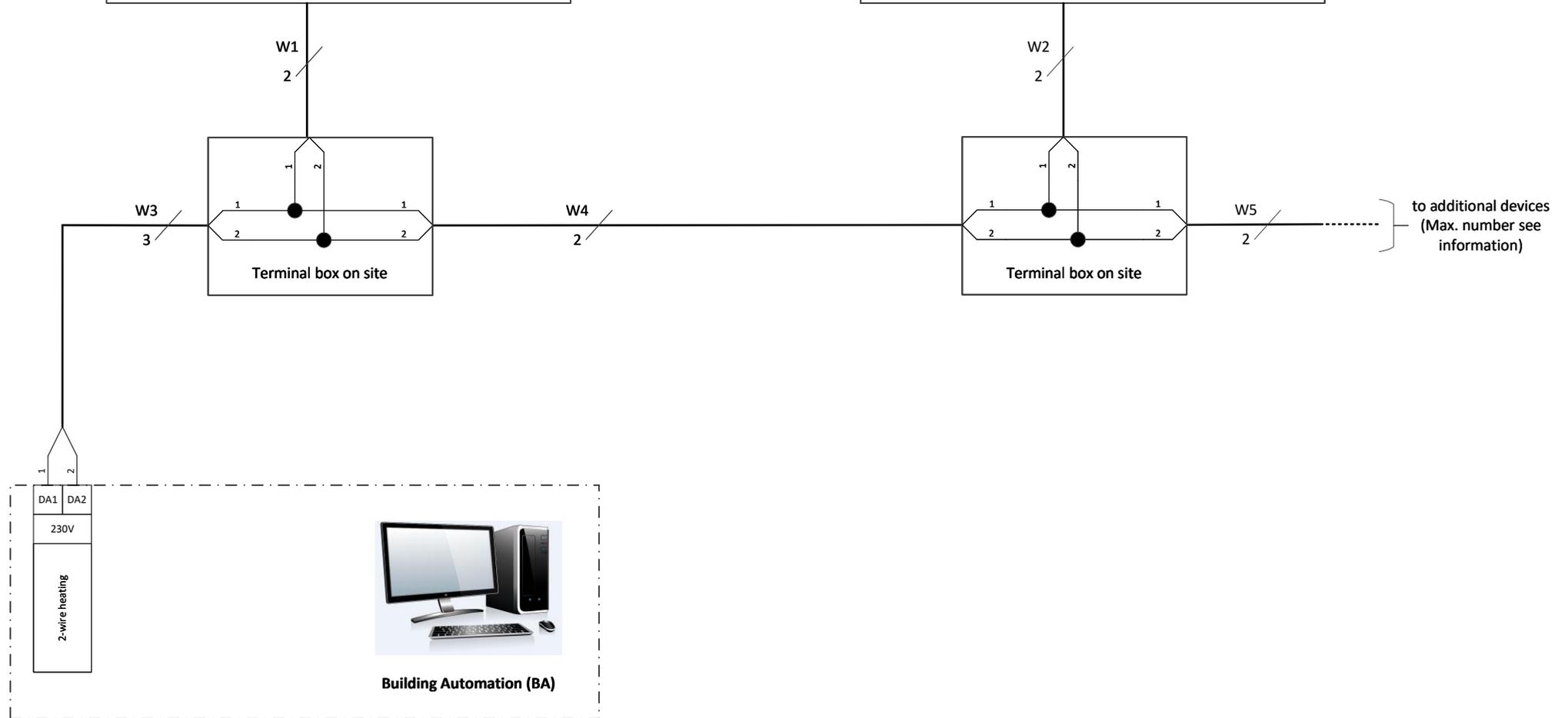


Thermoelectric shut-off valve
230 V
normally closed

Katherm NK
Device no. 2



Thermoelectric shut-off valve
230 V
normally closed



	Bearbeiter:	Projekt: Test, Ort	Katherm NK, Clock thermostat type 146933	Blatt-Nr.:	 Genau mein Klima.
	Erstelldatum: 16.04.2024	Projekt-Nr.:		7 von 8	



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