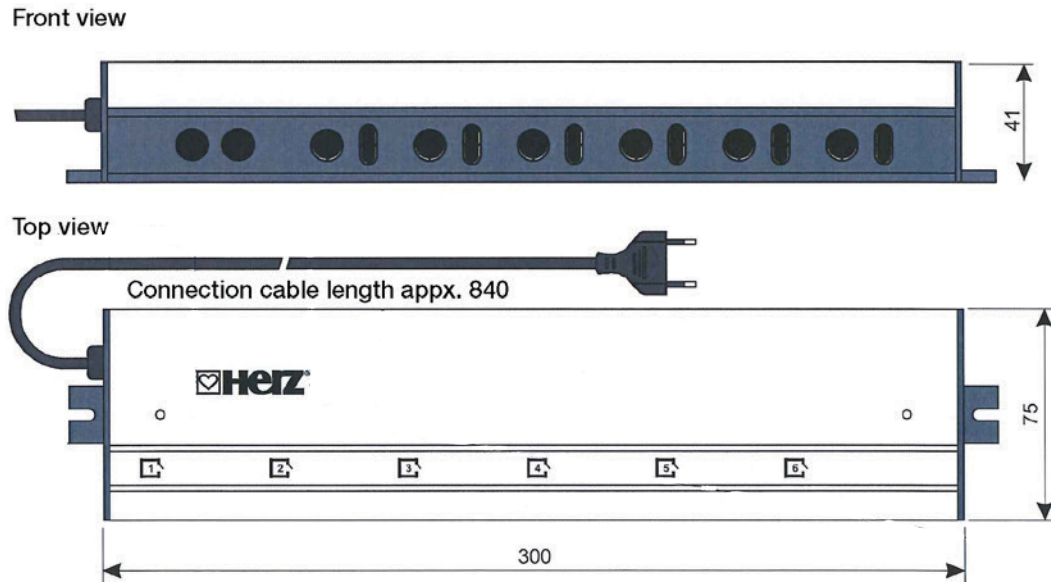


HERZ-Power input

Data sheets for 3 **F798 20**, Issue **0714**

☑ Dimensions in mm



☑ Model

The HERZ-power input is a connection unit for connecting the room thermostats (3 **F791 00** and 1 **7790 15**) to the actuators (**7708/7709**). Furthermore, the power input provides the operation voltage for the connected devices.

Predominantly, it is used at the heating circuit distributor of a floor heating. The HERZ power input is appropriate for new constructions, as well as for the refitting of residential and commercial buildings with already existing floor heating systems.

☑ Features

- Operating voltage 230 V
- Screwless spring-/clamp connection technique
- Clearly structured connections
- Large labeling field
- Integrated strain relief
- With pump control system
- High functional safety
- Maintenance free

☑ Application

The power input is applied for the installation of floor heating systems in new constructions or in the modernisation of privately owned residences, office buildings, multipurpose halls, and also for modernising and refitting older buildings.

☑ Function

The power input is mounted in the heating circuit distribution cabinet, directly on the wall. The power input provides the operation voltage for the connected devices. It is designed for the installation of 6 room thermostats (3 **F791 00** and 1 **7790 15**) and a total of 12 actuators (**7708/7709**).

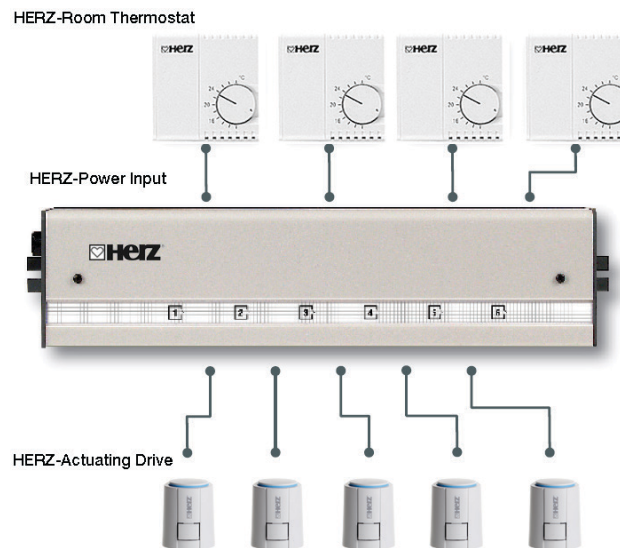
The screwless connection technique (spring/clamp terminal connection) allows simple and quick electrical wiring. All electrical lines are secured with cable grips.

☑ Electrical protection measures

The electrical installation or maintenance work may only be performed by licensed and trained craftsmen. The following laws and standards need to be considered by the installation:

- IEC 364-4-41/VDE 0100 Part 410 Protection against electric shock
- IEC 364-3/VDE 0100 Part 310 Protection against indirect contact with disconnection or indication
- IEC 364-4-1/VDE 0100 Part 410 Safety guard and shutdown conditions

☑ Application example

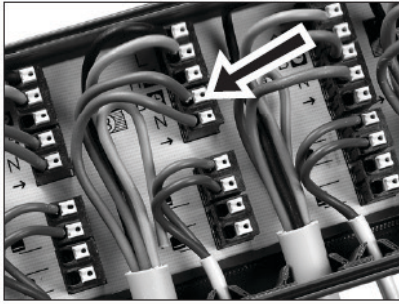


Type	3 F798 20
Operating voltage	230 V AC
Switching voltage/-current	230 V AC, 5 A
Max. power input	50 W
Fuse	T 4A H
Max. number of room thermostats	6
Max. number of actuators (about 2 W)	12
Heating programs, optional	2
Dimensions (mm) H / W / L	41 / 75 / 300
Weight	350 g
Protection class	II
Degree of protection	IP 20
Ambient temperature range	0° bis 60°C
Non-operating temperature	-25° bis + 60°C
Relative air humidity	max. 80% ¹⁾
usable cable cross sections:	
massive cables ²⁾	1,5 mm ²
flexible cables ²⁾	1,5 mm ²

¹⁾ not condensing

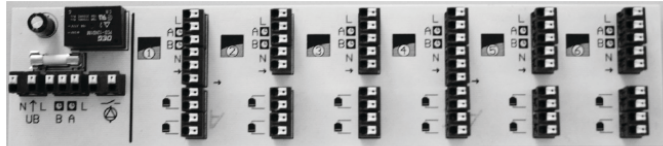
²⁾ We recommend 5-wire lines (5 x 1,5 mm² NYM) for the electric connection of the thermostats. Additionally wire-end ferrules have to be used.

Connection of the room thermostats



Heating programs

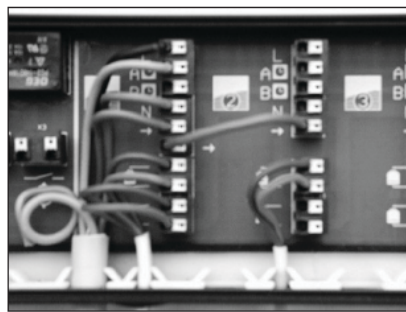
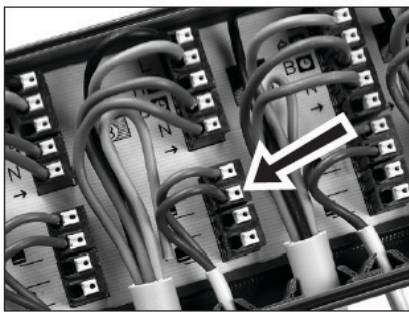
In connection with the HERZ room thermostats and a timer, an automatic temperature setback is possible, using two separated heating programs.



Note:

A free assignment of thermostats to one of the two heating programs is possible.

Connection of the actuators



It is possible to assign more than two actuators to one thermostat by a wire strap.

Note: All diagrams have a symbolic character and must be complete.

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