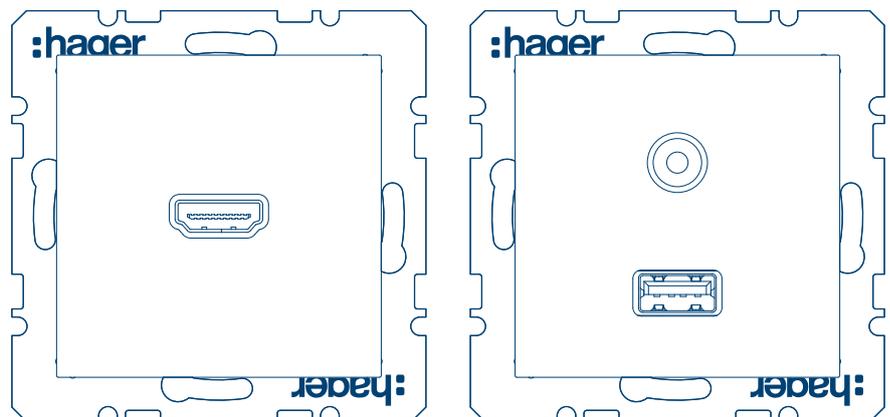


Switches and systems

Multimedia socket outlets



HDMI socket with straight or
90° plug connection

WAF4379xx, WAF4380xx,

WLF4379xx, WLF4380xx

USB/3.5 mm audio socket

WAF4381xx



1	Safety instructions.....	3
2	Design and layout of the device.....	4
3	Function.....	6
3.1	Correct use.....	6
4	Operation.....	7
5	Information for qualified electricians.....	8
5.1	Installation.....	8
5.2	Commissioning.....	9
6	Appendix.....	10
6.1	Troubleshooting.....	10
6.2	Technical data.....	10

1 Safety instructions

Electrical devices must only be installed and assembled by a qualified electrician in accordance with the relevant installation standards, guidelines, regulations, directives, safety and accident prevention directives of the country.

Failure to comply with these installation instructions may result in damage to the device, fire or other hazards.

Proper signal transmission is only ensured when the appropriate accessories are used and the specified maximum cable lengths are observed. The minimum permissible distance of 0.3 m from current-carrying cables and sources of interference (electronic ballasts, dimmers, ESLs, etc.) must also be observed.

2 Design and layout of the device

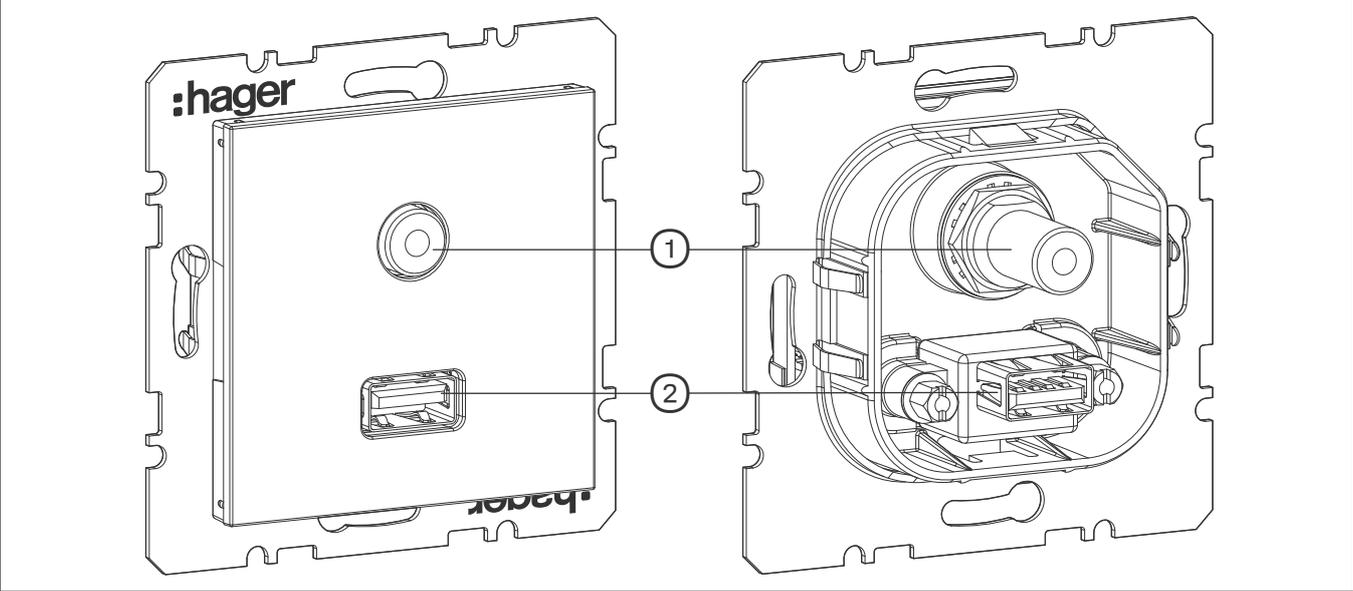


Fig. 1: USB/3.5 mm audio socket outlet, front/rear view

- ① 3.5 mm jack socket
- ② USB port

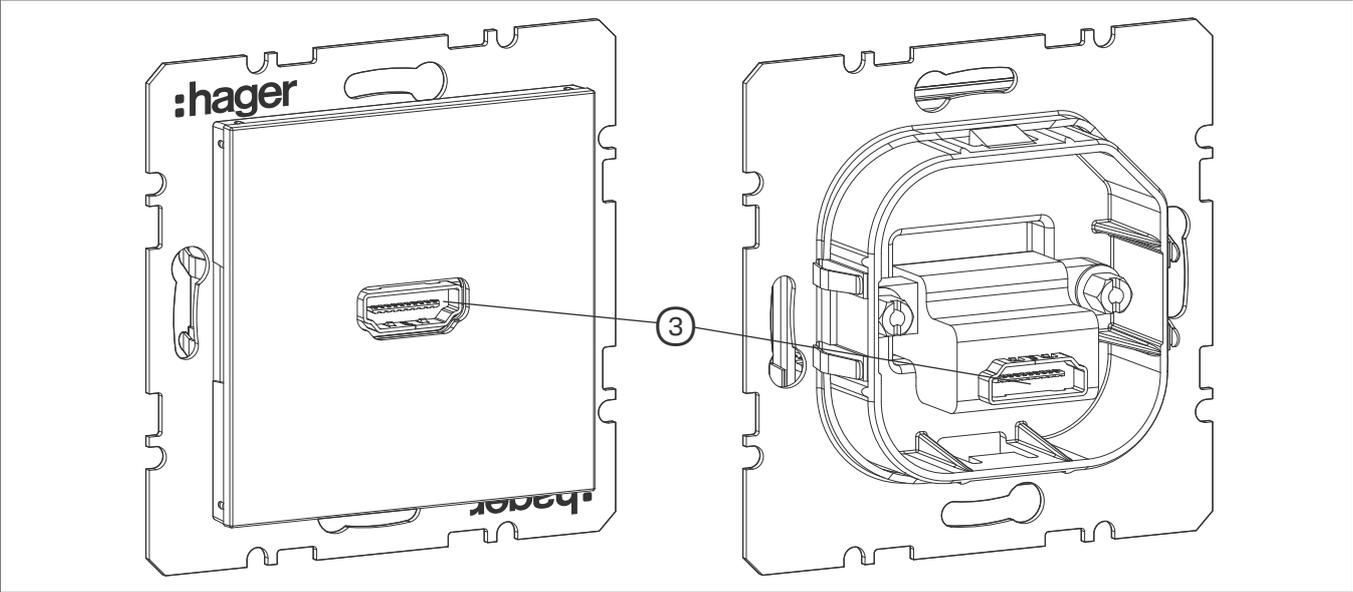


Fig. 2: HDMI socket with straight plug connection, front/rear view

- ③ HDMI TMsockets

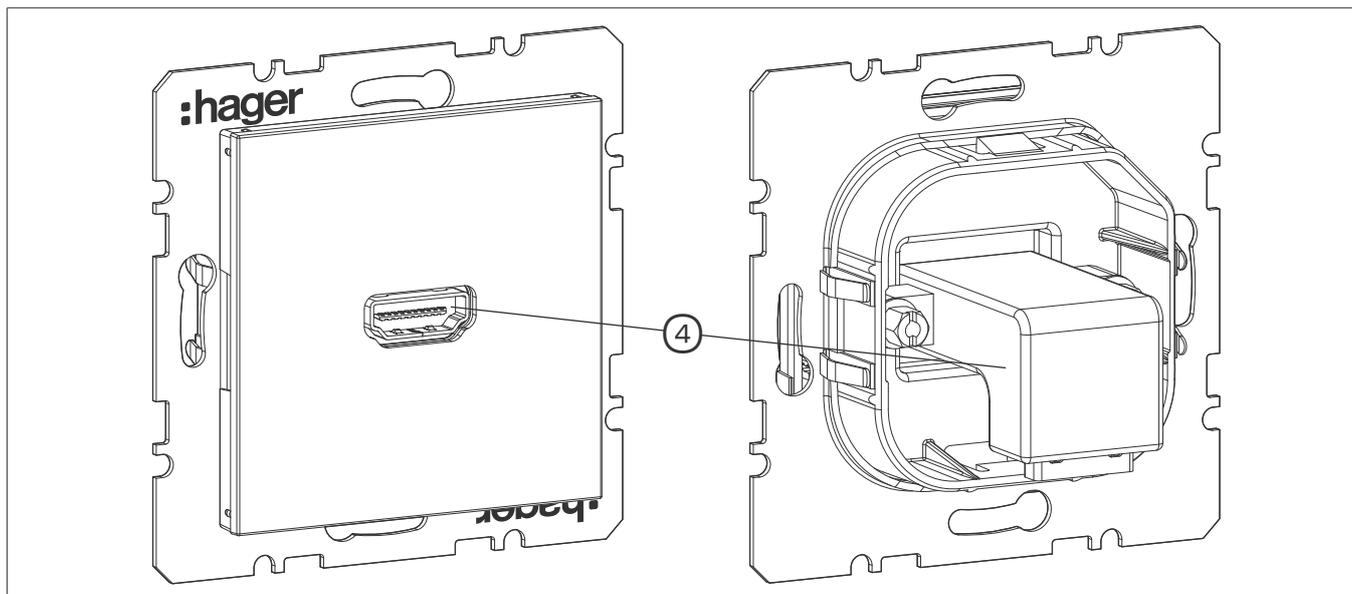


Fig. 3: HDMI socket outlet with 90° plug connection, front/rear view

④ HDMI™ sockets

3 Function

The multimedia sockets serve to connect input and output devices for transmission of audio/video signals and data.



Note

The available functions depend on the devices that are connected. To select the suitable socket, note the information from the manufacturer of the connected devices.

3.1 Correct use

- Only suitable for use in indoor areas with no drip and no spray of water
- Multiple mounting combinations possible
- Flush-mounting in wall box according to DIN 49073
- Connection of audio/video devices via 'Plug&Play'

4 Operation



Caution

The use of non-standardised connecting cables and connectors can cause device malfunctioning.

The devices may be destroyed.

- Use only approved connecting cables and connectors.

Connecting multimedia devices

- Insert the cable connector of the signal source, such as a game console, laptop or tablet, into the multimedia socket.
- Insert the cable connector of the signal source, such as a TV, monitor, music system or headphones, into the second multimedia socket.



Note

Insert connectors into the socket straight and without using force. Twisting or tilting the connector may deform the contacts.

Examples of application

Junction	Devices
USB	iPods, printers, storage media, digital cameras, smartphones ...
3.5 mm audio	Headphones, MP3 players, PC/laptops, sound cards, audio systems ...
High definition	LED/LCD TV, AV receivers, projectors, monitors, PC/ laptops, game consoles, video cameras ...

5 Information for qualified electricians

5.1 Installation

Connecting and installing the multimedia socket

- ☑ The connecting cable is flush-mounted in an empty cable routing. The appliance socket is wall-mounted.



Recommendation:

Use Kaiser flush-mounted electronic box with a two-chamber system to comply with the permissible bending radii.

- 1 Insert the cable connector into the socket provided at the back of the multimedia socket (1 - 4).
- 2 Screw the insert (6) into the correct position on the supporting ring with the wall box.
- 3 Attach the centre plate (8) together with the cover frame to the insert using clamping springs (7).
The multimedia wall box can be commissioned.

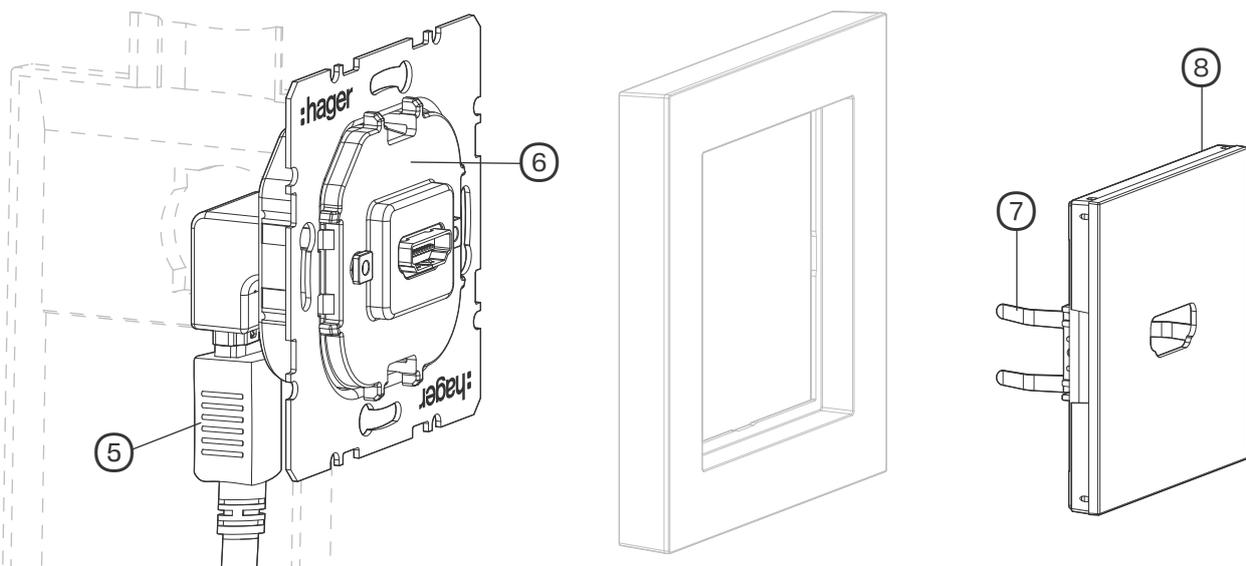


Fig. 4: Installing the multimedia socket

- 5 Connecting cable
- 6 Insert
- 7 Clamping springs
- 8 Centre piece

5.2 Commissioning



Caution

Short circuit when connecting switched-on devices.
Devices can be destroyed.

- Before making any connections, ensure that all devices are powered off.

Performing a functional test

Multimedia devices are connected.

- Activate the desired functionality and check signal transmissions on the signal source and playback device, e.g. playing an audio or video stream on the TV.

The multimedia socket is ready for operation.

6 Appendix

6.1 Troubleshooting

No signal on the playback device after the signal sources is switched on.

Cause: Playback device is not switched on.

💡 Switch on playback device.

Cause: Loose connector.

💡 Check that all connections are properly seated.

No video signal on the playback device after the signal sources is switched on.

Cause: Signal source is not detected by the playback device.

💡 Manual selection of the signal source via remote control or channel selection keys of the playback device.

No audio signal on the playback device after the signal sources is switched on.

Cause: Volume control on the signal source or on the playback device is set too low.

💡 Increase volume

Cause: The audio on the playback device is set to mute.

💡 Deactivate the mute function. Note information of the device manufacturer.

6.2 Technical data

Ambient temperature -5 ... +45°C

USB port

Standard	USB 3.0
Baudrate	max. 5 Gbit/s
Connection:	
- Double socket	Type A, 180°

3.5 mm audio port

Nominal voltage	50 V \equiv
Frequency range:	
- Audio	20 Hz...20 kHz
Continuity resistor	$\leq 20 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ m}\Omega$
Electric strength	AC 500 V~...2000 V800 V.~ \equiv
Push-in and pull-off forces	4.9 N...14.7 N
Cycles	2000 push-in and pull-off operations
Connection:	
- Double socket	
- Contact material	3.5 mm audio stereo, 180°, gold-plated

HDMI™ sockets

Standard	1.3/Category 2 HDMItechnology support™ (V 1.3 with Deep Color)
Resolution	$\leq 1080\text{p}$ (1920 x 1080 pixels)
Vertical frequency range	50/85 Hz
Baudrate	max. 8, 16 Gbit/s

Connection:

- Double socket
- Contact material

HDMI™ type A, 180°/90°
gold-plated



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