

Low frequency



- cavity wall boxes for shielding low-frequency alternating electric fields
- special metal vacuum coating
- standardised unit screw spacing
- mounting with screw or spreader fastening
- potential connection wire 1.5 mm² (CU, solid, rigid)
- The shielded cavity wall boxes are special metal vacuum-coated cavity wall boxes for the reduction of low-frequency alternating electric fields. The metal coating is on the outside of the box and is provided with a riveted 1.5 mm² potential equalisation wire. This is connected with box terminals up to the functional equipotential bonding bar.
- The shielded cavity wall boxes are preferably used in new buildings and for retrofitting existing conventional cavity wall boxes. Due to the low-frequency field propagation in wooden or wooden post-and-beam buildings, it is extremely important to equip the entire house with shielded boxes and shielded installation cables. In retrospect, shielding of these fields is hardly, if at all, possible. This is particularly useful for renovations in sensitive areas such as bedrooms, children's rooms, computer server rooms or hospitals and in combination with shielded cables.
- The shielded cavity wall boxes are also frequently used to supplement a high-frequency shielding measure in order to avoid potential gaps in the shielding surface in the area of the sockets and switches.
- In order to maintain the function of airtight walls, standardised windproofing inserts available on the conventional market can be used.
- Wiring in shielded boxes must always be carried out according to VDE guidelines (functional equipotential bonding). Further information on this can be found in our technical data sheet and at www.funktionspotentialausgleich.de.

Order-No.: 300517 - 41-4483

Short-Desc.: HWSD65

Order-No.: 300925 - 41-4461

Short-Desc.: HWASD65

Electrical installation - Cavity wall

Switch boxes HW

Technical data - HWSD65

depth:	47 mm (flat version)
diameter:	Ø 68 mm
colour:	white / silver
material:	synthetic material (PP)
standard screw spacing:	60 mm
standard detent spacing:	71 mm
detent support details:	breakout gap up to size 16
panel thickness:	7 - 35 mm
potential connection wire:	Cu, 1,5 mm ² , massive

Technical data - HWASD65

depth:	59 mm (deep version)
diameter:	Ø 68 mm
colour:	white / silver
material:	synthetic material (PP)
standard screw spacing:	60 mm
standard detent spacing:	71 mm
detent support details:	breakout gap up to size 16
panel thickness:	7 - 35 mm
potential connection wire:	Cu, 1,5 mm ² , massive

Scope of application

new construction timber houses, timber frame construction
renovations
bedroom and children's room
offices / PC workrooms
guest room, hotels
hospitals etc.

Scope of delivery

box with appliance screws
technical data sheet



Flat design HWSD65



Deep design HWASD65