



OSM/EE DECISION SHEET

Category	Standard:	Clause	Document no.
ITAV	EN 62368-1:2014 + A11:2017 EN IEC 62368-1:2020 + A11:2020	G.4.3	22/3 rev 1
Subject		Key words	Meeting
4mm banana plug		Banana plug Connector Loudspeaker connector	Online meeting 05-06 April 2022 Copenhagen 12-13 April 2023
Question			
Can audio input/output connectors that can accommodate 4mm banana plugs be accepted for domestic products?			
Decision			
<p>Connectors in which a 4mm plug can be inserted are not acceptable for domestic products. This does not preclude the use of connectors into which a conductor of diameter 4mm or greater can be inserted and clamped.</p> <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  </div> <div style="flex: 2; padding-left: 10px;"> <p>This type of connector is designed to accept flexible or solid conductors. The conductor is inserted into the hole in the post and clamped with the insulated nut. Even if the hole for the cable has a diameter of 4mm or greater and could possibly accept a 4mm banana plug, the connector is acceptable.</p> </div> </div> <div style="display: flex; align-items: flex-start; margin-top: 10px;"> <div style="flex: 1;">  </div> <div style="flex: 2; padding-left: 10px;"> <p>This type of connector is designed to accept a 4mm banana plugs and is not acceptable.</p> </div> </div>			

In addition, the following dual loudspeaker plugs supplied by the manufacturer are allowed:

Dual loudspeaker plugs supplied by the manufacturer. Case 1:



Speaker plugs



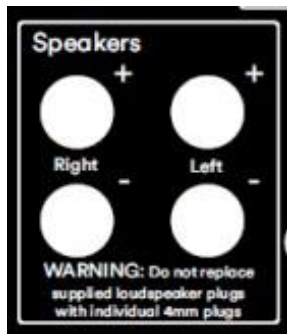
The Classic Integrated is supplied with a pair of dual speaker plugs. To ensure safe operation of this amplifier, the speaker cables must be terminated with the supplied speaker plugs, assembled in accordance with the instruction supplied with the plugs. Never terminate the cables with separate 4mm/banana plugs.

The above is accepted provided that:

the dual loudspeaker plugs have been tested and it is confirmed that the plugs cannot be inserted into a mains outlet and

there is an instructional safeguard on the rear of the amplifier to indicate only use of the dual speaker plugs supplied by the manufacturer, and worded a instruction has been added to the Instructions for Use.

Dual loudspeaker plugs supplied by the manufacturer. Case 2:



Another solution is also accepted provided that:

the dual loudspeaker plugs have been tested and it is confirmed that the plugs cannot be inserted into a mains outlet and

there is an instructional safeguard on the rear of the amplifier to indicate only use of the dual speaker plugs supplied by the manufacturer. No worded instruction has to be added to the Instructions for Use.

Explanatory notes

A 4mm banana plug can easily be inserted into a CEE 7 type mains socket outlet therefore its use in a domestic environment is not to be encouraged.



4mm banana plug

This decision updates decision OSM-EE 91/5 for EN 60065:1998; EN 60065:2002.

The proposal regarding the dual loudspeaker plugs supplied by the manufacturer was submitted by CLC TC108X and was agreed by the OSM-EE at the 2023 meeting in Copenhagen.