

ABSTRACT

The invention relates to a shore power outlet (20) for HVSC
5 systems for supplying shore power, having a box-shaped outlet box
(21) and plug protective flaps (22A, 22B), and proposes a
plurality of improvements for operational safety, in particular
with respect to arcing explosions:

- 10 i) The shore power outlet (20) has an explosion pressure relief
device (41, 42) for conducting explosion gases in controlled
fashion into a non-critical external space region.
- ii) The shore power outlet (20) has plug protective flaps (22A,
22B) which at least partially secure the plug connectors and which
are lockable to one another by means of a locking device.
- 15 iii) The plug protective flaps (22A, 22B) and/or locking device
may have a detector element (85) which can be integrated into the
electrical safety circuit of the HVSC system, in particular can be
connected to a pilot loop.

20 **(FIG. 1A)**