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DC Plugs and Socket-outlets Swedish draft proposal

Merlin Gerin Square D

Telemecanique

Göran Persson, 2005-08-29



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DC Plugs and Socket-outlets



For other dimensions and specifications see standard sheet IV. The sketches are not intended to govern design except as regards the dimensions shown. Dimensions in mm.

DRAFT

2,5A / 400 V DC Two-pole socket-outlet with side earthing-contacts for power supply of AC/DC equipment





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DC Plugs and Socket-outlets

- IEC 60 884-1 Plugs and socket-outlets for houshold and similar purposes + national standards
- Examples of additions and changes necessary when adding DC
 - 1. Scope
 - Add: This standard does also apply to AC/DC and DC plugs and socket-outlets.
 The rated current is limited to 2,5 A for plugs and socket-outlets without interlock.
 - 6. Rating

Add a new row in table 1

Туре	Rated voltage V DC	Rated current A DC
2 P plug	400	2,5

2 P

8.1 Marking

Add.

Socket-outlets according to standard sheet III b shall be marked AC/DC Socket-outlets according to standard sheet III c shall be marked DC Plugs according to standard sheet IV b shall be marked AC/DC Plugs according to standard sheet IV c shall be marked DC

8.2

Add the symbol for direct current



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 - **8.3 8.4**
 - Add: The marking according to the addition in clause 8.1 shall be placed so that it is readable also after the plug inserted in the socket outlet.
 - 9.
 - Add relevant gauges.
 - 9.101
 - Add at the end of the requirement: standard sheet III b, III c, IV b and IV c.
 - 15. Interlocked socket-outlets
 - Socket-outlets for AC and DC might be designed for 16 A current maximum.
 - Plugs for loads for AC and DC rated for up to 2,5 A can be connected and disconnected without interlocking. Plugs for 2,5 A are rated for AC and DC without interlocking mechanical or electronic functions.
 - For loads higher than 2,5 A, the standard AC and DC plug can be used if it is equipped with a
 mechanical or electronic interlocking switch function with or without connection to the outlets cover.
 The function shall be designed in such a way that a plug cannot be inserted into or completely
 withdrawn from the socket-outlet while the plug-contacts can carry current, i.e. the plug-contacts shall
 be switched of from the load or high-ohmic during these procedures.



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- Examples of additions and changes necessary when adding DC
 - 20. Breaking capacity
 - 21 Normal operation

