

**IEC 60309-1:1999/AMD1:2005**  
(Amendment 1 to the fourth edition)

**Plugs, socket-outlets and couplers for  
industrial purposes –**

**Part 1: General requirements**

**CORRIGENDUM 1**

**Table 3 – Size for connectable conductors**

*In the "Current A" column, "Series I", move value "125" to the line above, as follows:*

| Rating of the accessory |              |           |               | Internal connection <sup>1) 5)</sup>  |                                    |  |                                    | External earthing connection if any |    |
|-------------------------|--------------|-----------|---------------|---|------------------------------------|--|------------------------------------|-------------------------------------|----|
| Voltage<br>V            | Current<br>A |           |               | Flexible cables for plugs and connectors<br>Solid or stranded cables for appliance inlets <sup>2)</sup> |                                    | Solid or stranded cables for socket-outlets <sup>2) 6)</sup> |                                    |                                     |    |
|                         | Series I     | Series II | Other ratings | Series I<br>mm <sup>2</sup>   | Series II<br>AWG/MCM <sup>3)</sup> | Series I<br>mm <sup>2</sup>                                  | Series II<br>AWG/MCM <sup>3)</sup> |                                     |    |
| Not exceeding 50        | 16<br>32     | 20<br>30  |               | 4 to 10<br>4 to 10  | 12 to 8<br>12 to 8                 | 4 to 10<br>4 to 10   | 12 to 8<br>12 to 8                 |                                     |    |
| Exceeding 50            |              |           | 6             | 0,75 to 1   | 18 to -                            | 0,75 to 1,5  | 18 to 16                           | 2,5                                 | 14 |
|                         |              |           | 10            | 1 to 1,5  | - to 16                            | 1 to 1,5   | - to 16                            | 2,5                                 | 14 |
|                         | 16           | 20        |               | 1 to 2,5  | 16 to 12                           | 1,5 to 4   | 16 to 12                           | 6                                   | 10 |
|                         |              |           | 25            | 1,5 to 4  | 16 to 12                           | 2,5 to 6   | 14 to 10                           | 6                                   | 10 |
|                         | 32           | 30        |               | 2,5 to 6  | 14 to 10                           | 2,5 to 10  | 14 to 8                            | 10                                  | 8  |
|                         |              |           | 40            | 4 to 10   | 12 to 8                            | 4 to 16  | 12 to 6                            | 10                                  | 8  |
|                         |              |           | 50            | 4 to 10   | 12 to 8                            | 4 to 16  | 12 to 6                            | 16                                  | 6  |
|                         | 63           | 60        |               | 6 to 16   | 10 to 6                            | 6 to 25  | 10 to 4                            | 25                                  | 4  |
|                         |              |           | 80            | 10 to 25  | 8 to 4                             | 16 to 35   | 6 to 2                             | 25                                  | 4  |
|                         |              |           | 90            | 10 to 25  | 8 to 4                             | 16 to 35   | 6 to 2                             | 25                                  | 4  |
|                         | 125          | 100       |               | 16 to 50  | 6 to 0                             | 25 to 70   | 4 to 00                            | 25                                  | 4  |
|                         |              |           | 150           | 25 to 70  | 4 to 00                            | 35 to 95   | 2 to 000                           | 25                                  | 4  |
|                         |              |           | 160           | 25 to 70  | 4 to 00                            | 35 to 95   | 2 to 000                           | 25                                  | 4  |
|                         | 250          | 200       |               | 70 to 150   | 00 to 0000                         | 70 to 185 <sup>4)</sup>                                      | 00 to 250                          | 25                                  | 4  |

<sup>1)</sup> Terminal for pilot conductors, if any, shall allow the connection of conductors having a cross-sectional area of 1 mm<sup>2</sup>.

<sup>2)</sup> Classification of conductors: according to IEC 60228.

<sup>3)</sup> The nominal cross-sectional areas of conductors are given in square millimetres (mm<sup>2</sup>). AWG/MCM values are considered as equivalent to mm<sup>2</sup> for the purpose of this standard.

AWG: American Wire Gauge is a system of identifying wires in which the diameters are in geometric progression between size 36 and size 0000.

MCM: Mille Circular Mils denotes circle surface area. 1 MCM = 0,5067 mm<sup>2</sup>.

<sup>4)</sup> 150 mm<sup>2</sup> for 200 A accessories of series II.

<sup>5)</sup> For ratings other than those above, the cross-sectional area(s) of the conductors may be that specified by the manufacturer.

<sup>6)</sup> For socket-outlets declared for flexible conductors only, these values apply.

**IEC 60309-1:1999/AMD1:2005**  
**(Amendement 1 à la quatrième édition)**

**Prises de courant pour usages industriels –**

**Partie 1: Règles générales**

**C O R R I G E N D U M 1**

**Tableau 3 – Taille des conducteurs à raccorder**

*Ce changement s'applique uniquement à l'anglais.*