

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 ^{1) 5)}				External earthing connection if any	
Voltage V	Current A			Flexible cables for plugs and connectors Solid or stranded cables for appliance inlets ²⁾		Solid or stranded cables for socket-outlets ^{2) 6)}			
	Series I	Series II	Other ratings	Series I mm ²	Series II AWG/MCM ³⁾	Series I mm ²	Series II AWG/MCM ³⁾	Series I mm ²	Series II AWG/MCM ³⁾
Not exceeding 50	16 32	20 30		4 to 10 4 to 10	12 to 8 12 to 8	4 to 10 4 to 10	12 to 8 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 ⁴⁾	00 to 250	25	4

¹⁾ Terminal for pilot conductors, if any, shall allow the connection of conductors having a cross-sectional area of 1 mm².

²⁾ Classification of conductors: according to IEC 60228.

³⁾ The nominal cross-sectional areas of conductors are given in square millimetres (mm²). AWG/MCM values are considered as equivalent to mm² 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 mm².

⁴⁾ 150 mm² for 200 A accessories of series II.

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

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