

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Amendment No. 1**  
to  
**AS/NZS 1299:2009**  
**Electrical equipment for mines and quarries—Explosion-protected three-phase restrained plugs and receptacles for working voltages up to and including 3.3 kV**

**CORRECTION**

The 2009 edition of AS/NZS 1299 is amended as follows; the amendments should be inserted in the appropriate places.

*SUMMARY:* This Amendment applies to the Clause 3.3.11, Tables 6 and 7, Figures 4.1 to 4.16 and Appendix B.

Published on 30 March 2012.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 8 March 2012.

**Table 6**

Delete the existing Table and *replace* with the following:

**TABLE 6**  
**PHASE TEST CURRENT**

| Current rating<br>A | Phase test current kA |        |                          |              |
|---------------------|-----------------------|--------|--------------------------|--------------|
|                     | Rated voltage         |        | Asymmetrical peak factor | Power factor |
|                     | 660 V/1.1 kV          | 3.3 kV |                          |              |
| 60                  | 3.2                   | —      | 1.7                      | 0.5          |
| 125                 | 11.2                  | —      | 2.0                      | 0.3          |
| 150                 | 12.5                  | —      | 2.0                      | 0.3          |
| 300                 | 25                    | 25     | 2.0                      | 0.3          |
| 425                 | 25                    | 25     | 2.0                      | 0.3          |

**Clause 3.3.11**

1 Delete the existing Table 7 and *replace* with the following:

**TABLE 7**  
**EARTH-FAULT PATH TEST CURRENT**

| Current rating<br>A | Earth-fault path test current kA |        | Asymmetrical peak factor | Power factor |
|---------------------|----------------------------------|--------|--------------------------|--------------|
|                     | Rated voltage                    |        |                          |              |
|                     | 660 V/1.1 kV                     | 3.3 kV |                          |              |
| 60                  | 1                                | —      | 1.7                      | 0.5          |
| 125                 | 3.5                              | —      | 2.0                      | 0.3          |
| 150                 | 4                                | —      | 2.0                      | 0.3          |
| 300                 | 8                                | 8      | 2.0                      | 0.3          |
| 425                 | 8                                | 8      | 2.0                      | 0.3          |

- 2 *Delete* the final three paragraphs and *replace* with the following:

‘The above tests shall be applied twice at 10 min intervals.

This test may be conducted at any convenient voltage. Alternatively the test may be carried out at rated voltage with a supply providing the above test current as prospective current.

This device shall pass this test if the continuity of the earth path is less than  $0.01 \Omega$  (not including the resistance of the cable connection to earth) after the earth-fault path test.’

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**Figures 4.1 to 4.16**

*Delete* the figures and titles and *replace* with the following:

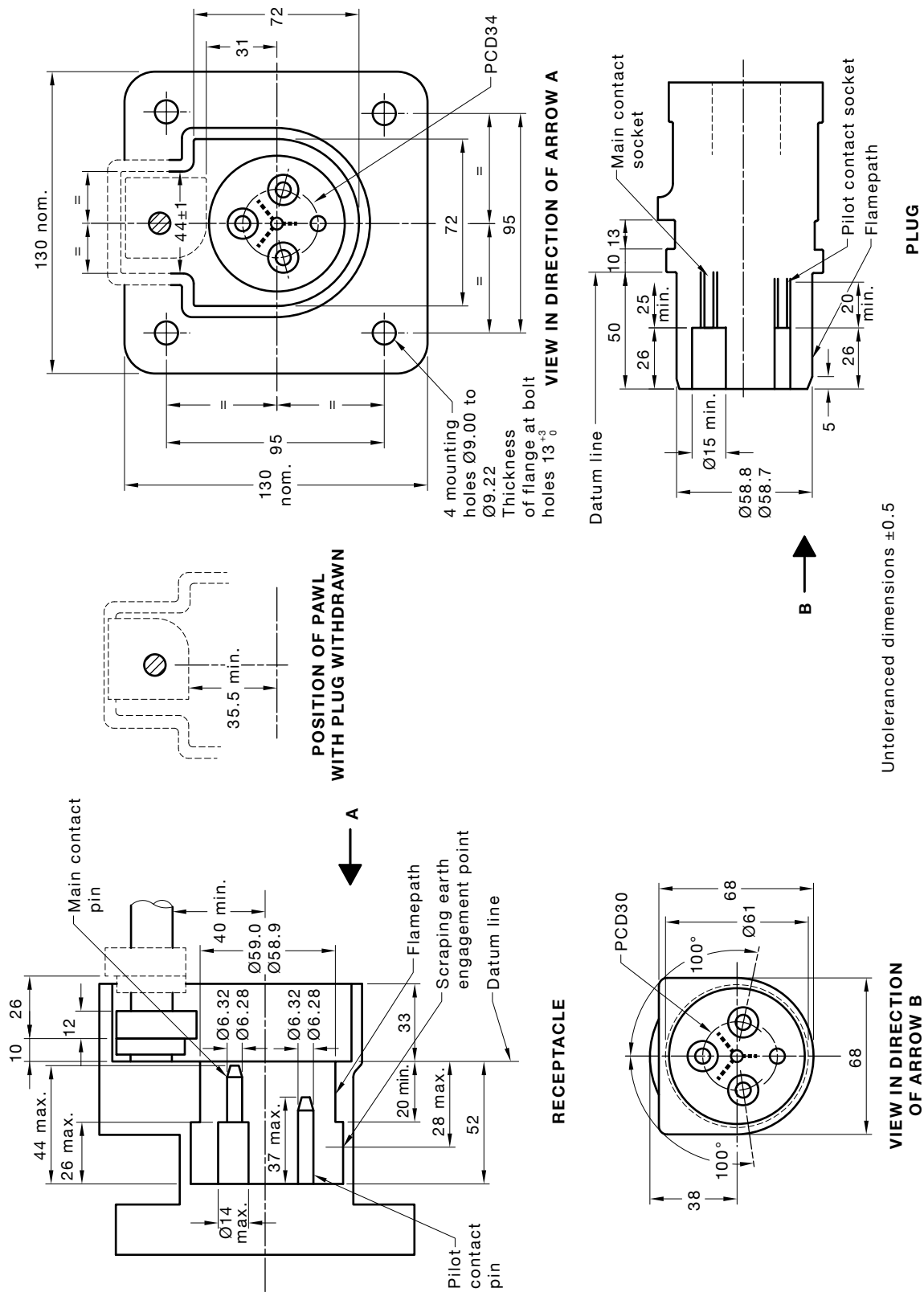




FIGURE 4.2 PLUG AND RECEPTACLE, 660 V, 125 A

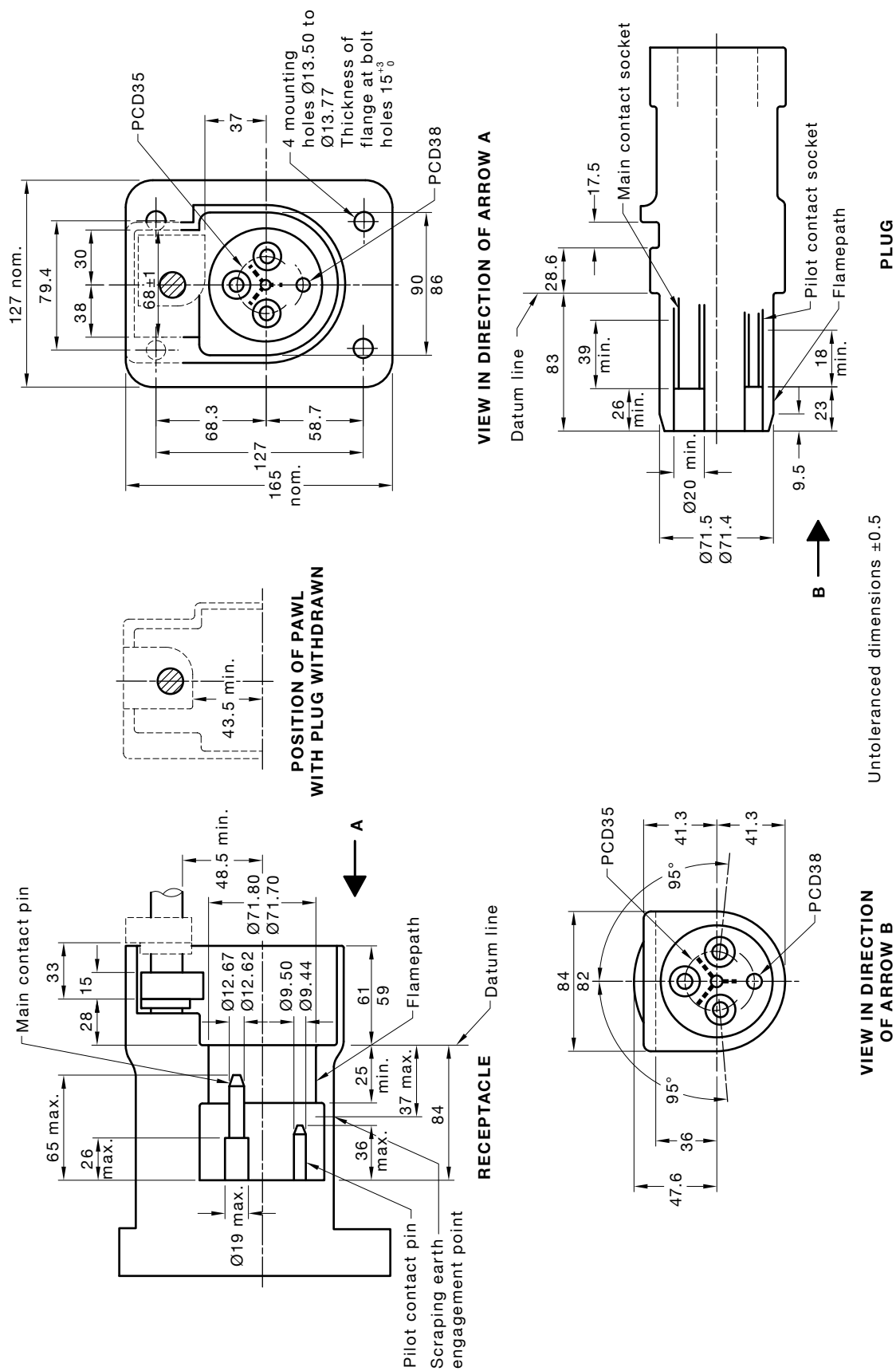


FIGURE 4.3 PLUG AND RECEPTACLE, 660 V, 150 A



FIGURE 4.4 PLUG AND RECEPTACLE, 660 V, 300 A