

**MV-CONNEX Separable Connectors, Size 1,**  
 $U_m = 36 \text{ kV}, I_N = 630 \text{ A}$

Standard article no.

- for DIN VDE cables
- for RM-conductor (stranded circular) of aluminium or copper
- for single core cable with copper wire shield without armouring
- with sealing system (bell flange seal and shrink tubing)
- for indoor and outdoor applications
- not soil-resistant and not offshore-proof
- offshore version on request (see page 17: product configurator)
- Packaging unit: set with three separable connectors
- 3-core version on request (see page 17: product configurator)

The picture shows MV-CONNEX separable connector without voltage tap



| No.              | No.                 | Max. operating voltage | for cable cross section | for diameter over conductor | Insulation thickness (nominal value) | for diameter over XLPE insulation |
|------------------|---------------------|------------------------|-------------------------|-----------------------------|--------------------------------------|-----------------------------------|
| with voltage tap | without voltage tap | $U_m$ (kV)             | (mm <sup>2</sup> )      | (mm)                        | (mm)                                 | Ø (mm)                            |
| 850 110 035      | 870 110 035         | 12                     | 35                      | 6.0 - 7.3                   | 3.4                                  | 13.5 - 17.5                       |
| 850 110 050      | 870 110 050         | 12                     | 50                      | 7.5 - 8.8                   | 3.4                                  | 13.5 - 17.5                       |
| 850 110 070      | 870 110 070         | 12                     | 70                      | 9.3 - 10.6                  | 3.4                                  | 16.0 - 19.5                       |
| 850 110 095      | 870 110 095         | 12                     | 95                      | 10.8 - 12.1                 | 3.4                                  | 18.0 - 21.5                       |
| 850 110 120      | 870 110 120         | 12                     | 120                     | 12.3 - 13.6                 | 3.4                                  | 18.0 - 21.5                       |
| 850 110 150      | 870 110 150         | 12                     | 150                     | 13.8 - 15.1                 | 3.4                                  | 20.0 - 23.5                       |
| 850 110 185      | 870 110 185         | 12                     | 185                     | 15.3 - 16.6                 | 3.4                                  | 22.0 - 25.5                       |
| 850 110 240      | 870 110 240         | 12                     | 240                     | 17.8 - 19.1                 | 3.4                                  | 25.0 - 28.5                       |
| 850 120 035      | 870 120 035         | 24                     | 35                      | 6.0 - 7.3                   | 5.5                                  | 18.0 - 21.5                       |
| 850 120 050      | 870 120 050         | 24                     | 50                      | 7.5 - 8.8                   | 5.5                                  | 18.0 - 21.5                       |
| 850 120 070      | 870 120 070         | 24                     | 70                      | 9.3 - 10.6                  | 5.5                                  | 20.0 - 23.5                       |
| 850 120 095      | 870 120 095         | 24                     | 95                      | 10.8 - 12.1                 | 5.5                                  | 22.0 - 25.5                       |
| 850 120 120      | 870 120 120         | 24                     | 120                     | 12.3 - 13.6                 | 5.5                                  | 23.5 - 27.0                       |
| 850 120 150      | 870 120 150         | 24                     | 150                     | 13.8 - 15.1                 | 5.5                                  | 25.0 - 28.5                       |
| 850 120 185      | 870 120 185         | 24                     | 185                     | 15.3 - 16.6                 | 5.5                                  | 26.5 - 30.0                       |
| 850 120 240      | 870 120 240         | 24                     | 240                     | 17.8 - 19.1                 | 5.5                                  | 28.0 - 31.5                       |
| 850 130 050      | 870 130 050         | 36                     | 50                      | 7.5 - 8.8                   | 8.0                                  | 23.5 - 27.0                       |
| 850 130 070      | 870 130 070         | 36                     | 70                      | 9.3 - 10.6                  | 8.0                                  | 25.0 - 28.5                       |
| 850 130 095      | 870 130 095         | 36                     | 95                      | 10.8 - 12.1                 | 8.0                                  | 26.5 - 30.0                       |
| 850 130 120      | 870 130 120         | 36                     | 120                     | 12.3 - 13.6                 | 8.0                                  | 28.0 - 31.5                       |
| -                | 870 130 150         | 36                     | 150                     | 13.8 - 15.1                 | 8.0                                  | 30.0 - 33.5                       |
| -                | 870 130 185         | 36                     | 185                     | 15.3 - 16.6                 | 8.0                                  | 31.0 - 34.5                       |