

# CONNEX Cable Connectors, Size 7-S, up to 362 kV, according to IEC 62067:2011

## Application:

- Pluggable separable connector for all XLPE cables

## Features:

- The separable connector is installed without any gas- and oilwork at the transformer or GIS
- Considerably reduced installation time and safe installation
- Horizontal, vertical and angled versions for connection to GIS and transformers
- Rapid separation and change of cable and equipment possible
- Touchproof, submersible, and maintenance-free
- Routine-tested from factory

<sup>\*)</sup> depending on conductor cross section and conductor material



*Picture may vary.*

## Technical Data

|   |                           |   |
|---|---------------------------|---|
| <b>Article no.</b>                                      |                           | <b>877 999 999 zzzzz</b>                          |
| <b>Max. system voltage</b>                              | <b>U<sub>m</sub> (kV)</b> | <b>362</b>  |
| <b>Size</b>   |                           | <b>7-S</b>  |
| <b>Type designation</b>                                 |                           | <b>dry-type termination</b>                       |
| <b>Applicable standards</b>                             |                           | <b>IEC 62067:2011</b>                             |
| <b>Working place</b>                                    |                           | <b>outdoor and indoor<br/>offshore on request</b> |
| <b>Nominal voltage</b>                                  | <b>U<sub>n</sub> (kV)</b> | <b>330 - 345</b>                                  |
| <b>Conductor residual voltage</b>                       | <b>U<sub>0</sub> (kV)</b> | <b>190</b>  |
| <b>Rated power frequency withstand voltage</b>          | <b>1 min (kV)</b>         | <b>380</b>  |
| <b>Rated lightning impulse withstand voltage BIL</b>    | <b>(kV)</b>               | <b>1175</b>                                       |
| <b>Heating cycles</b>                                   | <b>(kV)</b>               | <b>380</b>  |
| <b>Partial discharge test &lt; 5pc at</b>               | <b>(kV)</b>               | <b>285</b>  |
| <b>Rated power frequency withstand voltage - 30 min</b> | <b>(kV)</b>               | <b>420</b>  |
| <b>Nominal current<sup>*)</sup></b>                     | <b>I<sub>N</sub> (A)</b>  | <b>4000</b>                                       |
| <b>Rated short-time withstand current</b>               | <b>(kA)</b>               | <b>63</b>   |
| <b>Rated impulse current CALCULATED</b>                 | <b>(kA)</b>               | <b>170</b>  |
| <b>Conductor material</b>                               |                           | <b>copper or aluminium</b>                        |
| <b>Diameter of conductor</b>                            | <b>Ø (mm)</b>             | <b>27.3 - 72.5</b>                                |

|                              |                    |                        |
|------------------------------|--------------------|------------------------|
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| Conductor cross section area | (mm <sup>2</sup> ) | 630 - 3000             |
| Diameter of insulating       | (mm)               | 76.5 - 131             |
| Connection method            |                    | Compression connection |
| Length outside socket        | (mm)               | 480                    |