

# HVC8 Connector, Variant 113, with Cable, Assembled

3-pole, straight connector with one screw as locking mechanism.

Adapted to high voltage cable Radox Elastomere 35 mm<sup>2</sup> from company Huber & Suhner.

Compatible receptacle: 382 005 102 or upgrade kit (B- to C-sample) 389 015 401.

Product validation according to specification ZF AVE 130.



Picture may vary.

## Technical Data

|  |   |                               |
|--|---|-------------------------------|
| <b>Article no.</b>                                 | <b>382 999 999 00049</b>                          |                               |
| <b>Type designation</b>                            | <b>CC-HVC8-35_RadoxS-3-180°-A-CR-SF-SC-NI-113</b> |                               |
| <b>Cable length</b>                                | (m)   | 4                             |
| <b>HVC8 Electric contact</b>                       | Ø (mm)  | 8                             |
| <b>Number of power contacts</b>                    | 3   |                               |
| <b>Connection type</b>                             | 35 mm <sup>2</sup> compressed                     |                               |
| <b>Housing</b>                                     | Aluminium (sea water resistant), straight         |                               |
| <b>Mechanical Coding</b>                           | A   |                               |
| <b>Service life</b>                                | 60.000 / 12                                       |                               |
| <b>Contact surface</b>                             | silver plated copper                              |                               |
| <b>Locking mechanism</b>                           | one central screw                                 |                               |
| <b>Mating cycles</b>                               | 50  |                               |
| <b>Cable cross section</b>                         | (mm <sup>2</sup> )                                | 35                            |
| <b>Suitable high voltage cable</b>                 | 100 103 509                                       |                               |
| <b>Suitable high voltage cable</b>                 | 84100296  |                               |
| <b>Rated voltage</b>                               | (V)   | 900, DIN EN 60664-1, 4000m NN |
| <b>Electrical withstand voltage</b>                | (kV DC)   | 2,7                           |
| <b>IP protection class DIN 40050-9</b>             | IP 6K9K, IP X7, IP X6K                            |                               |
| <b>IP protection class DIN 40050-9 not mounted</b> | IP 20   |                               |

|                                       |                          |  |
|---------------------------------------|--------------------------|--|
| <b>Article no.</b>                    |                          | <b>382 999 999 00049</b>                       |
| <b>Screening effectiveness</b>        | <b>(dB)</b>              | <b>&gt;55 dB for f = 0,1 MHz up to 100 MHz</b> |
| <b>Corrosion resistance</b>           |                          | <b>672 hours, ISO 16750-4, Chapter 5.5.2</b>   |
| <b>Nominal current</b>                | <b>(A)</b>               | <b>220 (Contact)</b>                           |
| <b>Overload current capability</b>    | <b>(A/0,1s @ 80° C)</b>  | <b>4000</b>                                    |
| <b>Overload current capability</b>    | <b>(A/1s @ 80° C)</b>    | <b>1400</b>                                    |
| <b>Overload current capability</b>    | <b>(A/5s @ 80° C)</b>    | <b>600</b>                                     |
| <b>Overload current capability</b>    | <b>(A/10s @ 80° C)</b>   | <b>450</b>                                     |
| <b>High short circuit strength</b>    | <b>(kA/0,1s @ 20° C)</b> | <b>5</b>                                       |
| <b>Rated shield current</b>           | <b>(A)</b>               | <b>10</b>                                      |
| <b>Max. shield current</b>            | <b>(A)</b>               | <b>50</b>                                      |
| <b>Ambient temperature</b>            | <b>(°C)</b>              | <b>-30 up to +85</b>                           |
| <b>Lower storage temperature</b>      | <b>(°C)</b>              | <b>-40 (48h)</b>                               |
| <b>Upper storage temperature</b>      | <b>(°C)</b>              | <b>100 (96h)</b>                               |
| <b>Insertion force</b>                | <b>(N)</b>               | <b>&lt; 100</b>                                |
| <b>Pull-off force</b>                 | <b>(N)</b>               | <b>&lt; 100</b>                                |
| <b>Side load on connector housing</b> | <b>(Nm)</b>              | <b>4</b>                                       |