

# 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 00109</b>
<b>Type designation</b>	<b>CC-HVC8-35_RadoxS-3-180°-A-CR-SF-SC-NI-113</b>
<b>Cable length</b>	(m) <b>7</b>
<b>HVC8 Electric contact</b>	Ø (mm) <b>8</b>
<b>Number of power contacts</b>	<b>3</b>
<b>Connection type</b>	<b>35 mm<sup>2</sup> compressed</b>
<b>Housing</b>	<b>Aluminium (sea water resistant), straight</b>
<b>Mechanical Coding</b>	<b>A</b>
<b>Service life</b>	<b>60.000 / 12</b>
<b>Contact surface</b>	<b>silver plated copper</b>
<b>Locking mechanism</b>	<b>one central screw</b>
<b>Mating cycles</b>	<b>50</b>
<b>Cable cross section</b>	(mm <sup>2</sup> ) <b>35</b>
<b>Suitable high voltage cable</b>	<b>100 103 509</b>
<b>Suitable high voltage cable</b>	<b>84100296</b>
<b>Rated voltage</b>	(V) <b>900, DIN EN 60664-1, 4000m NN</b>
<b>Electrical withstand voltage</b>	(kV DC) <b>2,7</b>
<b>IP protection class DIN 40050-9</b>	<b>IP 6K9K, IP X7, IP X6K</b>
<b>IP protection class DIN 40050-9 not mounted</b>	<b>IP 20</b>

<b>Article no.</b>		<b>382 999 999 00109</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>