

# 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 00005</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>3</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 (hours/years)</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 (PFISTERER)</b>		<b>100 103 509</b>
<b>Suitable high voltage cable (Huber &amp; Suhner)</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 (mounted)</b>		<b>IP 6K9K, IP X7, IP X6K</b>
<b>IP protection class DIN 40050-9 (not mounted)</b>		<b>IP 20</b>

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Screening effectiveness	(dB)	>55 dB for f = 0,1 MHz up to 100 MHz
Corrosion resistance		672 hours, ISO 16750-4, Chapter 5.5.2
Nominal current (Tu=80°C)	(A)	220 (Contact)
Overload current capability	(A/0,1s @ 80° C)	4000
Overload current capability	(A/1s @ 80° C)	1400
Overload current capability	(A/5s @ 80° C)	600
Overload current capability	(A/10s @ 80° C)	450
High short circuit strength	(kA/0,1s @ 20° C)	5
Rated shield current	(A)	10
Max. shield current (60 s)	(A)	50
Ambient temperature	(°C)	-30 up to +85
Lower storage temperature	(°C)	-40 (48h)
Upper storage temperature	(°C)	100 (96h)
Insertion force	(N)	< 100
Pull-off force	(N)	< 100
Side load on connector housing	(Nm)	4