



HVC8

The robust High Voltage connector for power consumers of the electric power train

HVC8 connector

3-pole, straight connector with one screw as locking mechanism. Adapted to High Voltage cable Radox Elastomere35mm² from company Huber and Suhner

Compatible receptacle: 382005102 or upgrade kit (B- to C-sample) 89015401

Product validation according to specification ZF AVE 130 in progress

Technical data

Article number		382 011 302
Type		CC-HVC8-35_RadoxS-3-180°-A-CR-SF-SC-NI-113
Weight	(g)	405
HVC8 electric Contact	Ø (mm)	8 mm
Number of poles		3
Contact technology		35 mm ² compressed

Gehäuse

Mechanical coding		Aluminum (sea water resistant), straight A
Live time	(hours/years)	60.000/12
Contact surface		silver plated copper
Fixation		one central screw
Number mounting cycles		50
corrugated tube		possible

Cable cross section	(mm ²)	35
Article number high voltage cable	(Pfisterer)	100 103 509
	(Huber & Suhner)	84100296

Rated voltage	(V)	900, DIN EN 60664-1, 4000m NN
Insulation strength	(kV DC)	2,7

IP protection class DIN 40050-9 (mounted)		IP6K9K / IPX7 / IPX6K
IP protection class DIN 40050-9 (not mounted)		IP20
Screening effectiveness	(dB)	>55 dB bei f = 0,1 MHz bis 100 MHz
Corrosion resistance		672 hours, ISO 16750-4, Kapitel 5.5.2

Rated current (Tu=80°C)	(A)	220 (Kontakt)
Overload capability	(A/0,1s @ 80° C)	4000
Overload capability	(A/1s @ 80° C)	1400
Overload capability	(A/5s @ 80° C)	600
Overload capability	(A/10s @ 80° C)	450
Short circuit capability	(kA/0,1s @ 20° C)	5
Rated shield current	(A)	10
Maximum shield current (60 s)	(A)	25

Ambient temperature	(°C)	-30 bis +85
Lower storage temperature	(°C)	-40 (48h)
Upper storage temperature	(°C)	100 (96h)

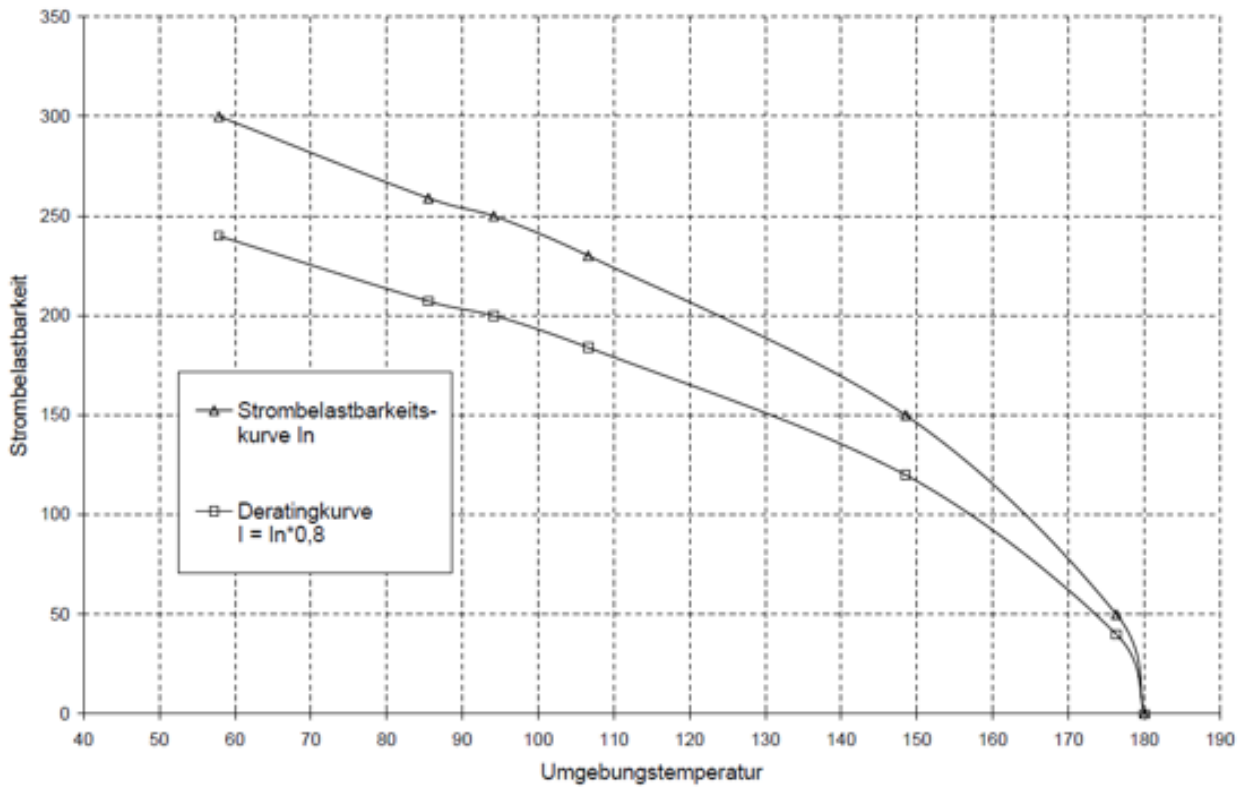
insertion force	(N)	100
Pull-off force	(N)	100
Side lode on connector housing	(Nm)	4

Derating Kontaktsystem HVC8, 35mm², IEC 512 T3

RoHS:

Restriction of Hazardous Substances: Conform to EG instruction 2002/95/EG (RoHS1) and EU instruction 2011/65/EU (RoHS2).

Bill of material Article number 382005102				
Article number	Description	Weight single component(g)	Quantity	Raw material
389001902	Contact bolt sleeve	2	3	
389002202	Contact bolt preassembled 35_1	23	3	
389002302	Locking ferrule preassembled	6,9	3	
389002802	Shield current contact preassembled	5	1	
389012401	Rail	17	1	
389002002	Guiding bolt	8	1	
389012601	Zylinderschraube M5x6	5	5	



HVC8 Stecker und Stiftleiste incl. Adapterplatte (als Zubehör separat zu bestellen)