

Figure 7: Shimcoil Connector Layout

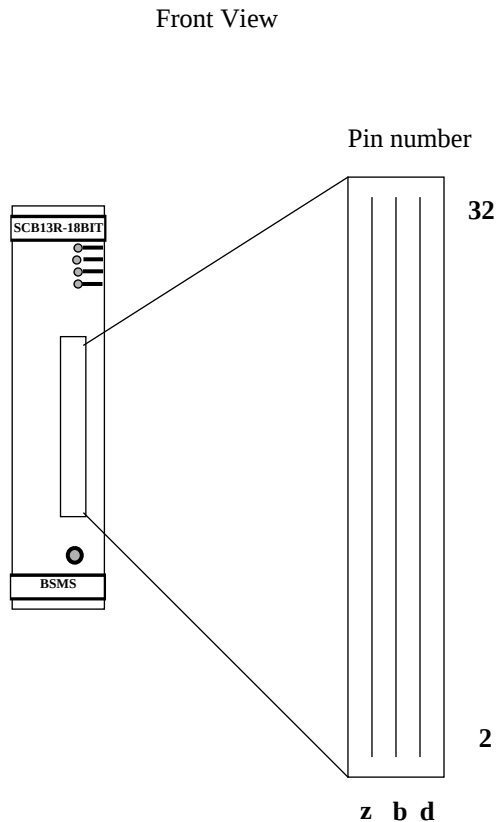


Tabelle 4:

Current Source Number	Pin Number of +	Pin Number of –
1	30 d	30 b
2	28 d	28 b
3	26 d	26 b
4	24 d	24 b
5	22 d	22 b
6	20 d	20 b
7	18 d	18 b
8	16 d	16 b
9	14 d	14 b
10	12 d	12 b
11	10 d	10 b
12	8 d	8 b
13	6 d	6 b
H0	2 z	4 z
PT100	4 b	4 d
Id	2 d	2 b

Overheating and Power Protection

2.3.2

If an SCB becomes too hot ($> 80\text{ °C}$) all currents are set to zero automatically and an error message appears on the BSMS keyboard. If the temperature reaches 70 °C , an error message is displayed on the BSMS keyboard but the currents are not set to zero. To protect the shim system, an on-line power supervision calculates the power in the shim system and issues an error message if the power dissipation is too high. The calculation assumes that the average resistance of a shim coil is $15\ \Omega$ and meas-