The power supplies of the series MC82-B provide power to the sensoplex® MC rack modules. The input range of 18...35 VDC provides the internal supply voltage of 15 VDC. The voltage output is short-circuit and overload protected.

Inserting a second MC82-B module enables duplicate power supply and provides excellent protection against supply failure. When using a duplicate supply module, the MC82-B power supply can be exchanged without interrupting operation. The extended input range enables operation with a back-up supply.

If the input or output voltage is not within the specified limits, the module shuts itself down.

The green LED „24 VDC“ illuminates to indicate sufficient supply voltage if the input voltage is ≥ 18 VDC.

If the output voltage is ≥ 14.5 VDC, the green LED „15 VDC“ illuminates to indicate sufficient supply of the bus components.

- Power supply for the sensoplex® MC rack assembly
- Integrated EMC filter
- Compact design (only 4 TE)
- Designed for redundant (duplicate) powersupply
- Power efficiency typ. 88%
- Over-voltage protection
- Extended input voltage range 18...35 V
If the voltage drops below 14 VDC, the LED turns off and the alarm relay is de-energised and gives an error indication.

Without this alarm indication, a failure of one of the modules would not be detected because the use of a second power supply module ensures constant power availability.