

# Power supplies

## MBI 50.43 / 44

(October 2002)



### Technical Data

|                 |   |
|-----------------|---|
| Dimensions      | approx. 100 x 167 x H (see table) mm  |
| Front panel     | B 35,3 x H 128,4 mm (19": 7 TE x 3 HE)  |
| Connection      | Unit w/o front panel: terminal block<br>Unit with front panel: connector DIN 41612, 32-pin, type C --- mating connector: connector DIN 41612, 32-pin, type C or D |
| Operating temp. | 0 ... 65°C  |
| Storage temp.   | -25 ... 90°C  |

| Model                   | MBI 50.43 / 300 <sup>*)</sup>  | MBI 50.44                 |
|-------------------------|--------------------------------|---------------------------|
| Power supply (VAC)      | 230 VAC $\pm$ 10%, 40 to 60 Hz |                           |
| Option: USA             | 115 VAC $\pm$ 10 VAC           |                           |
| Voltage output (VDC)    | $\pm$ 15                       | $\pm$ 15 / +5             |
| Output current (mA)     | 300                            | 150 / 150                 |
| Power (W)               | 9                              | 4 / 1                     |
| Input regulation        | $\pm$ 0,02 %                   | $\pm$ 0,02 %              |
| Load regulation         | $\pm$ 0,05 %                   | $\pm$ 0,10% / $\pm$ 0,05% |
| Output variation        | $\pm$ 2 %                      | $\pm$ 3 %                 |
| Noise                   | 5 mV rms                       | 5 mV rms                  |
| Temperature coefficient | 0,02 % / K                     | 0,03 % / K                |
| Height H (mm)           | 30                             | 30                        |
| Mass                    | 0,6                            | 0,6                       |

<sup>\*)</sup> models MBI 50.43/100 and /200 no longer available

### Pin connection

| Connector | Terminal block | Signal                  |                         |
|-----------|----------------|-------------------------|-------------------------|
|           |                | MBI 50.43               | MBI 50.44               |
| ac 2      | 16             | Mains (earth)           | Mains (earth)           |
| ac 4      | 15             | Mains 230 VAC (phase)   | Mains 230 VAC (phase)   |
| ac 6      | 14             | Mains 230 VAC (neutral) | Mains 230 VAC (neutral) |
| ac 8      | 13             | not connected           | not connected           |
| ac 10     | 12             | not connected           | not connected           |
| ac 12     | 11             | not connected           | not connected           |
| ac 14     | 10             | not connected           | not connected           |
| ac 16     | 9              | not connected           | not connected           |
| ac 18     | 8              | not connected           | not connected           |
| ac 20     | 7              | not connected           | +5 VDC common           |
| ac 22     | 6              | not connected           | Output +5 VDC           |
| ac 24     | 5              | not connected           | not connected           |
| ac 26     | 4              | not connected           | not connected           |
| ac 28     | 3              | Output -15 VDC          | Output -15 VDC          |
| ac 30     | 2              | Output +15 VDC          | Output +15 VDC          |
| ac 32     | 1              | 0 V                     | $\pm$ 15 V common       |