

# Data sheet BCE1601

## Electrical

|                             |                    |
|-----------------------------|--------------------|
| Power supply                | DC 12 V, 2 A, 24 W |
| Output                      | DC 0...5 V, 100 mA |
| # of channels               | 16                 |
| Isolation (Output vs. 12 V) | 1.5 kV             |
| Voltage step                | 1.25 mV            |
| Accuracy                    | +/- 10 mV          |

## Mechanical

|            |                   |
|------------|-------------------|
| Dimensions | 223 x 72 x 199 mm |
| Weight     | < 1kg             |

## Conditions

|                       |                |
|-----------------------|----------------|
| IP rating             | IP20           |
| Operating temperature | 0°C ... 40°C   |
| Storage temperature   | -20°C ... 60°C |

## Connectors

*X1: Cells 1-8*

| Pin | Signal |
|-----|--------|
| 1   | BAT0   |
| 2   | BAT0   |
| 3   | BAT1   |
| 4   | BAT2   |
| 5   | BAT3   |
| 6   | BAT4   |
| 7   | BAT5   |
| 8   | BAT6   |
| 9   | BAT7   |
| 10  | BAT8   |

*X2: Cells 9-16*

| Pin | Signal |
|-----|--------|
| 1   | BAT9   |
| 2   | BAT10  |
| 3   | BAT11  |
| 4   | BAT12  |
| 5   | BAT13  |
| 6   | BAT14  |
| 7   | BAT15  |
| 8   | BAT16  |

*X3: I/O Bus*

6-pole 3mm Micro-fit male

*X10: 12 V Input*

5.5/2.1 mm power connector

*X20: Communication*  
Micro-USB