

## DATA SHEET

# Solutions for the dark

We won't leave you standing in the dark! Foil membrane keyboards can be illuminated from inside, enabling you to find the most important key functions easily. In particular in transport technology or in the medical industry, where work is carried out in dark rooms, illuminated foil membrane keyboards in electroluminescent technology have proved a great success.

A black cat by night - this doesn't have to be what you see when looking at foil membrane keyboards. Optimum operation security in darkness is achieved via holohedral background illumination for all keypads. Pressure point keyboards with clickers need not be an exception to the rule. Dependent on the light source, even a coloured night design is possible.

### Features

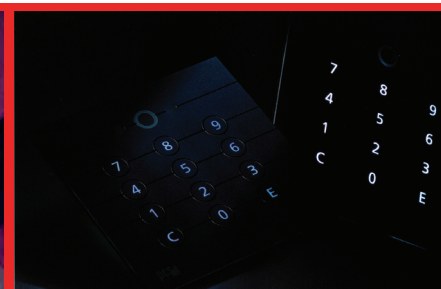
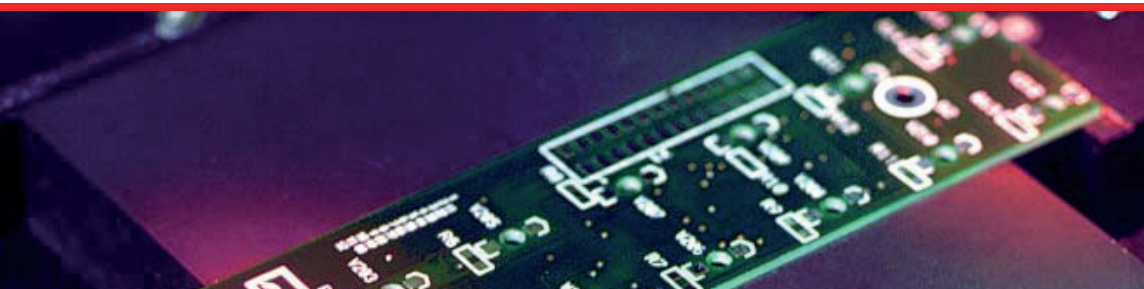
- Extremely flat cold light source
- Ideal supplement to foil membrane keyboards
- Even surface illumination of labels or key surfaces
- Luminosity can be adjusted within a wide range
- Superb for night designs

### Technical data for the electroluminescent foil membrane

|                               |   |
|-------------------------------|---|
| ■ Thickness                   | 0.18 mm   |
| ■ Illuminated surface (max.)  | 650 cm <sup>2</sup>                             |
| ■ Operating temperature       | -40 °C to +60 °C                                |
| ■ Mechanical strength         | 95 kg cm <sup>2</sup>                           |
| ■ Life cycle                  | More than 20 000 hours                          |
| ■ Capacity (typical)          | 300 pF/cm <sup>2</sup> - 900 pF/cm <sup>2</sup> |
| ■ Power consumption           | 0.15 mA/cm <sup>2</sup>                         |
| ■ Operating voltage (typical) | 120 V AC  |
| ■ Frequency                   | 400 Hz  |
| ■ Form of control voltage     | Sinusoidal                                      |
| ■ Colours                     | Yellow-green, green-blue, white                 |

### Technical data converter

|                    |               |
|--------------------|---------------|
| ■ Input voltage    | 1.5 - 36 V DC |
| ■ Output voltage   | 80 - 140 V AC |
| ■ Output frequency | 70 - 1200 Hz  |
| ■ Form             | Sinusoidal    |



None of the features in any technical data are guaranteed, but may deviate dependent on customer-specific design.