



## Power Supply 24 V<sub>dc</sub>/22 mA

Input 115 V<sub>ac</sub> or 230 V<sub>ac</sub>

Built-in transformer ensures galvanic separation

Protected against short-circuiting

Parallel connection of more supplies allowed

Low coupling capacity



### Description

The 115/230 V<sub>ac</sub> supply voltage is transformed, rectified and stabilised.

The power supply has an extremely low coupling capacity ensuring optimal noise suppression.

The power supply is used in circuits where the power consumption is less than 22 mA, i.e. as a supply for temperature and pressure transmitters.

If a larger current consumption is required, more power supplies can be connected in parallel.



## Technical Data

### Input

|                |                                                                          |
|----------------|--------------------------------------------------------------------------|
| Supply voltage | Nom. 115 V <sub>ac</sub> (+/- 10%)<br>Nom. 230 V <sub>ac</sub> (+/- 10%) |
|----------------|--------------------------------------------------------------------------|

### Output

|                       |                                       |
|-----------------------|---------------------------------------|
| Output voltage        | 24 V <sub>dc</sub> ±3 V <sub>dc</sub> |
| Ripple voltage        | Max. 0.25 V eff.                      |
| Output current        | Max. 22 mA                            |
| Short-circuit current | Nom. 55 mA                            |
| Isolation voltage     | 3.75 kV <sub>ac</sub>                 |
| Transfer capacity     | Nom. 8 pF                             |

### Mechanical data

|                   |                 |
|-------------------|-----------------|
| Dimensions        | 62 x 88 x 24 mm |
| DIN-rail mounting | DIN 46277       |
| Weight            | 0.1 kg          |

### Environmental conditions

|                       |                                    |
|-----------------------|------------------------------------|
| Protection class      | Housing: IP 30<br>Terminals: IP 10 |
| Operating temperature | -10...50°C                         |
| Storage temperature   | -35...85°C                         |
| Humidity              | < 90% RH, non-condensing           |

### EMC

|          |            |
|----------|------------|
| Immunity | EN 50082-2 |
| Emission | EN 50081-1 |

### LVD

73/23/EEC

### Disposal of product and packing

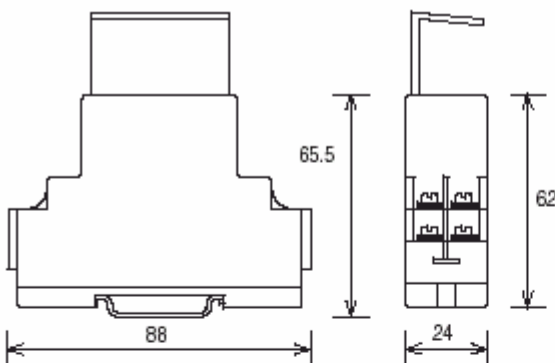
According to national laws or by returning to Bourdon-Haenni

## Ordering Details - Power Supply 24Vdc/22 mA

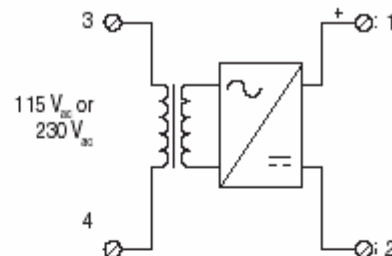
| Input voltage       | Output voltage     | 89 13 - 11x |
|---------------------|--------------------|-------------|
| 230 V <sub>ac</sub> | 24 V <sub>dc</sub> | 5           |
| 115 V <sub>ac</sub> | 24 V <sub>dc</sub> | 6           |

## Dimensional Drawing

[mm]



## Block Diagram



## Example of Application

