Technical specifications:
**EC22 / EC22 D**

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**Power supply**
- Operating voltage: 24V DC (12-30V DC allowable)
- Power consumption:
  - without display: typ. 10/12/14mA @24V/18V/12V
  - with display: typ. 16/20/26mA @24V/18V/12V
  - with display+horn: max. 25/30/40mA @24V/18V/12V, 250mA (not changeable)
- RS485 and 0.2-1mA version:
  - typ. 10/12/14mA @24V/18V/12V
  - typ. 16/20/26mA @24V/18V/12V
- 4-20mA version:
  - max. 32/34/36mA @24V/18V/12V
  - max. 38/42/48mA @24V/18V/12V
  - max. 47/52/62mA @24V/18V/12V

**Climatic conditions**
- Short-term storage temperature: -25...+60°C
- Recommended storage temperature: 0...+30°C
- Operating temperature: -20...+50°C (sensor dependent)
- Humidity: 20...90% r.h. (sensor dependent)
- Air pressure: 80...120kPa (sensor dependent)

**Display & controls**
- Status-LEDs: green for operation and yellow for fault or service
- Display: 2.2" graphic display
- Buttons: 3 function buttons (display version only)
- AutoCal button: for ZERO and SPAN adjustment (inboard)
- Potentiometer: for ZERO and SPAN adjustment (inboard)

**Service connector**
- Design: 3.5 mm stereo jack socket (internal)
- Analogue output: 0.2-1.0V corresponding to 0-100% MR for sensor calibration
- Digital input: for configuration and firmware update

**Signal output**
- Analogue: 4-20mA (max. load: 400 Ω/650 Ω/150 Ω @24 V/18 V/12 V supply)
- 0.2-1mA (max. load: 14K/9K3/4K5 @ 24 V/18 V/12 V supply)
- Digital: RS-485, Half duplex, 9600/19200/38400 Baud; Modbus protocol, Slide switch for 120 Ω terminating resistor

**Connection Cable**
- Cable glands: 1 or 2 glands M16x1.5 (for cable diameter 4.5-10 mm)
- Connection terminals: 4 double terminals (0.08 mm² to 2.5 mm² conductor cross-section)
- Cable (analogue): 3-core e.g. LYY 3x0.34...0.75 mm² or LWCY
- Cable (digital): 4-core e.g. LYY 4x0.50...1.5 mm² or cable Y(St)Y 2x2x0.8

**Housing**
- Protection class: IP54
- Material: Plastic
- Dimensions: 96 x 123 x 49 mm (W x H x D) with sensor
- Weight: 120-150g bzw. 170-195g (display version)

**Approvals / Tests**
- Electromagnetic compatibility: DIN EN 50270:2015
- Interference emission: Type class I
- Interference immunity: Type class II

* The bus cable Y(St)Y 2x2x0.8 is suitable for powering several bus transmitters via the same cable only for shorter cable runs. The possible distance depends on the number and local distribution of transmitters on the bus cable.