

DFX500

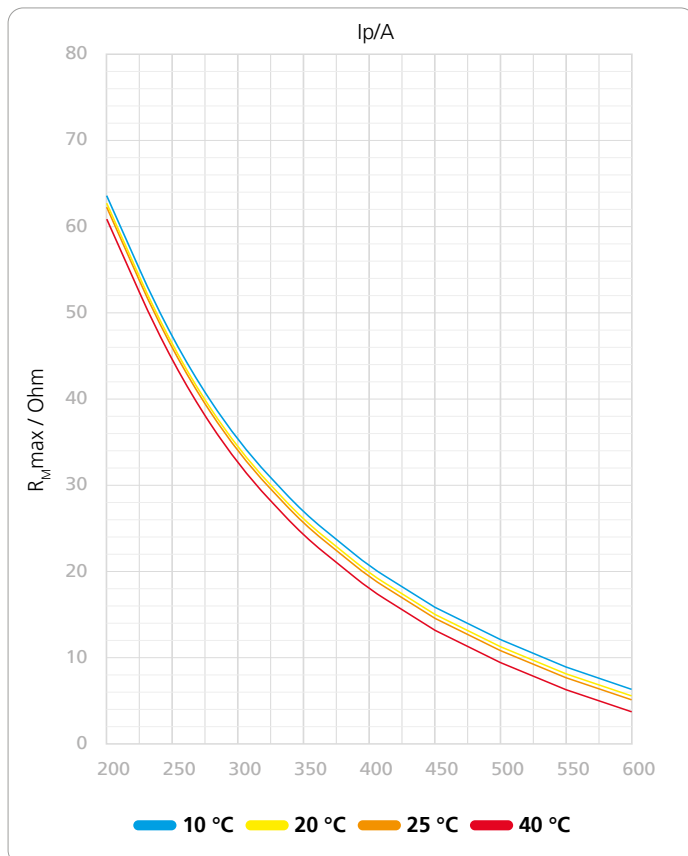
DUAL FLUX | Zero-Flux Measuring System

Current Range:	500 A_{RMS}
Ratio:	1:1500
Output Range:	0 ... 333 mA
Linearity:	0.1 µA
Offset:	2.9 µA
Supply voltage	±15 V ± 0.5 V
Max. Measuring Resistance ¹	2.5 Ω
Step Response (0 ... 90 %)	< 2.5 µs
DC Accuracy	9 ppm
Offset Drift	< 0.15 ppm/K (of I_{SN})
Ambient operating temperature	0 ... + 40 °C
Aperture	Ø 34 mm
Mass	0.84 kg

1: @25°C & 500 A RMS

MAXIMUM MEASURING RESISTANCE

depending on primary RMS current and temperature
(cable- + burden-resistance)



PRECISION FOR BOTH WORLDS: ACCURATE MEASUREMENT OF DC AND AC

The **DualFlux** product family is based on Zero-Flux technology. It revolutionises current measurement thanks to its exceptional accuracy and reliability, as it eliminates magnetic field interference and thus enables highly precise measurements. **DualFlux** sensors can measure both small and large currents with consistent accuracy and respond quickly to changes in current, making them ideal for dynamic applications.

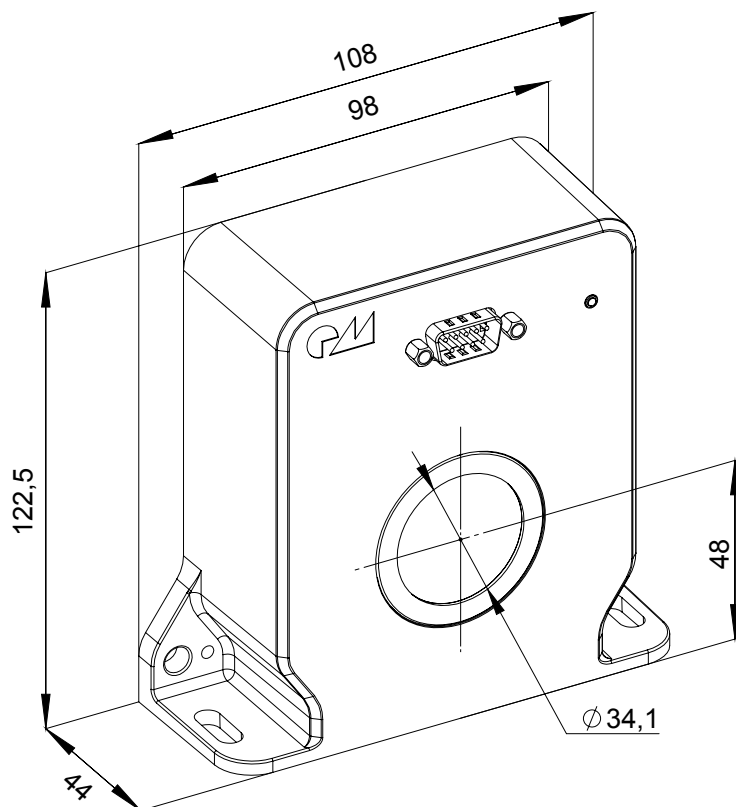
DualFlux sensors are compact and can therefore be easily integrated into various systems. Furthermore, **DualFlux** sensors offer high accuracy and stability without the need for temperature control devices. This makes them extremely reliable even under changing environmental conditions. Designed for demanding measurements, the **DualFlux** is Made for Performance.

YOUR BENEFITS

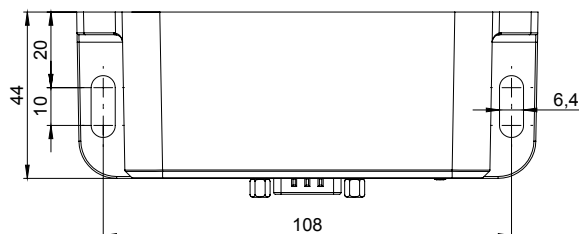
- // Very high accuracy
- // Wide frequency range
- // Galvanic isolation
- // Low noise and low losses
- // Excellent linearity
- // Low temperature drift
- // Zero-flux technology
- // DC and AC measurement
- // No-load protection

APPLICATIONS

- // Test and measurement technology
- // Medical technology
- // Automotive and e-mobility
- // Industrial energy systems
- // Metrology
- // Semiconductor manufacturing
- // Aerospace

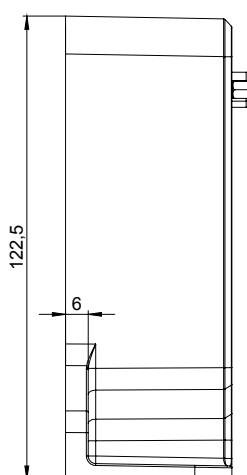
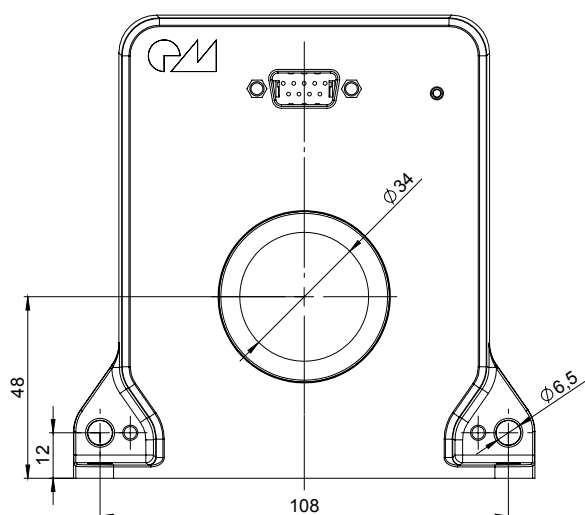


TOP

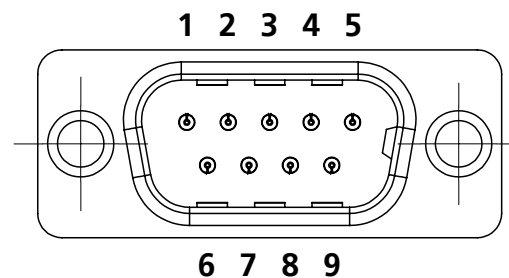


FRONT

SIDE



LAYOUT



Pin 1: Iout-/GND

Pin 2: NC

Pin 3: GND (Valid)

Pin 4: GND (Supply)

Pin 5: -15 V

Pin 6: Iout+

Pin 7: NC

Pin 8: Valid

Pin 9: +15 V

BACK

