

## BA050100

### Measuring transducer • Front mounting

Measuring transducer, analog / digital, touch display, 48x116x96mm, -10-10V / 0/4-20mA, 8 digits, 18-30V DC, 4x PNP programmable/configurable, 0-10V/4-20mA, terminal, IP20, noryl UL94, LCD



#### Electrical features

Response/decay time	53 ms
Number of decades	8
Number of switching outputs	4
Display	LCD display   LED display
Type of switching function	Programmable/configurable
Type of analog output	0 - 10V   4 - 20mA
Type of analog input	0 - 20mA   -10 - 10V   4 - 20mA
Type of electrical connection	Clamped terminal connection
Type of switching output	PNP
Rated switching current	200 mA
Digital resolution	16 bit
Setting procedure	Parameterization
Transducer power supply voltage	24 V
Transducer power supply current	250 mA
Type of transducer power supply voltage	DC
No-load current	100 mA
Resistance of current input	120 Ohm
Resistance of voltage input	50 kOhm
Operating voltage (DC)	18 - 30 V
Number of analog output channels	1
Number of analog input channels	2
ardSOCA_ElektrischerAnschluss	Terminal connection
ardSOCA_Betriebsspannung	18-30VDC
ardTEEL_Schutzfunktionen	Reverse polarity protection   Short circuit protection

**Mechanical features**

Width	96 mm
Height	48 mm
Storage temperature	-25 - 70 °C
Length	116 mm
Mounting method	Panel mounting
Degree of protection (IP)	IP20
Degree of protection (IP), front side	IP65
Housing material	Noryl UL94
Ambient temperature	-20 - 60 °C
ardSOCA_Abmessungen	116x96x48mm

**Other features**

Features	Touch display
Range of functions	Differenzfunktion
Relative measurement accuracy	0.1 %

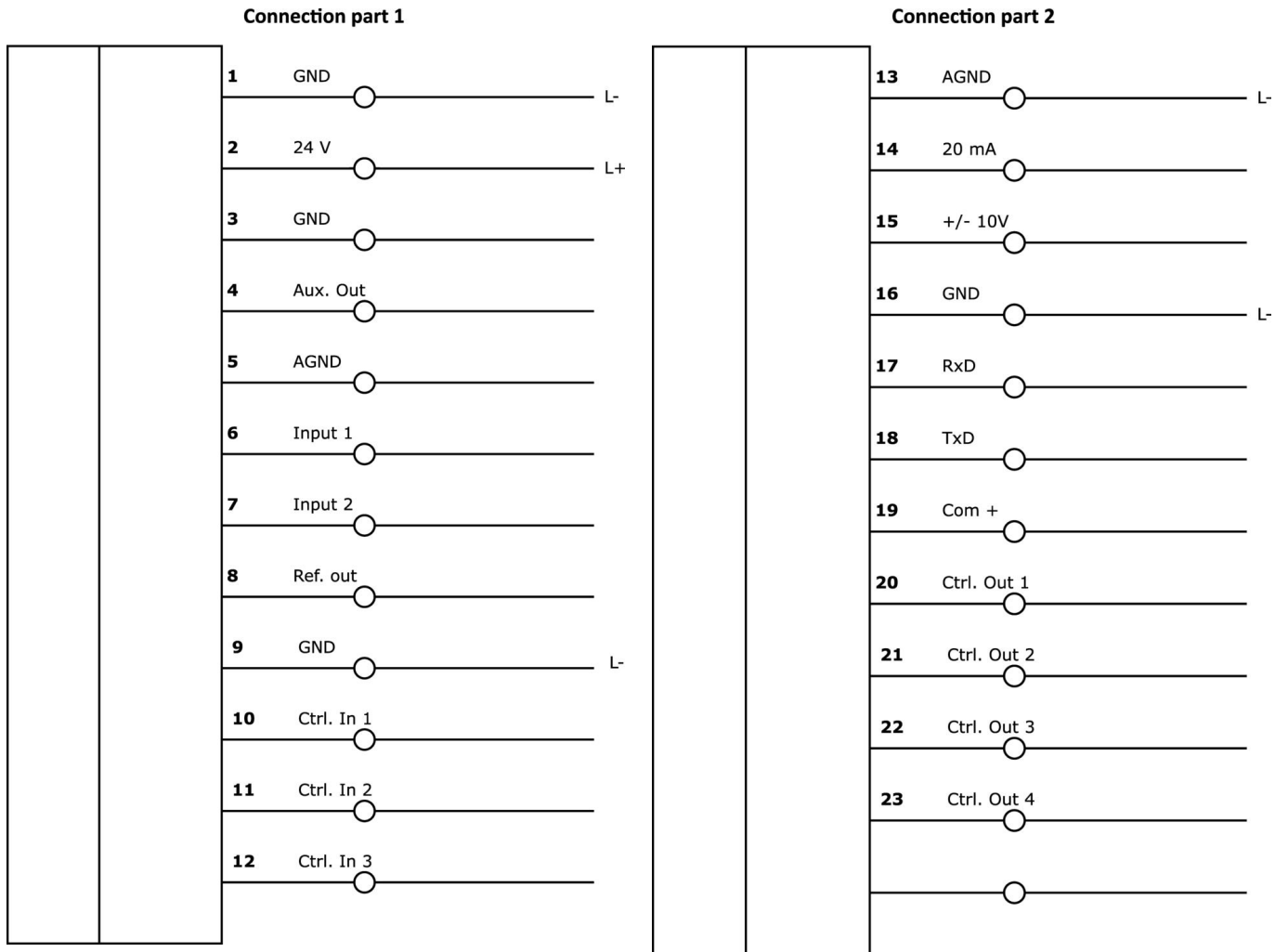
**Classification**

ETIM 8	EC002475 Current transducer
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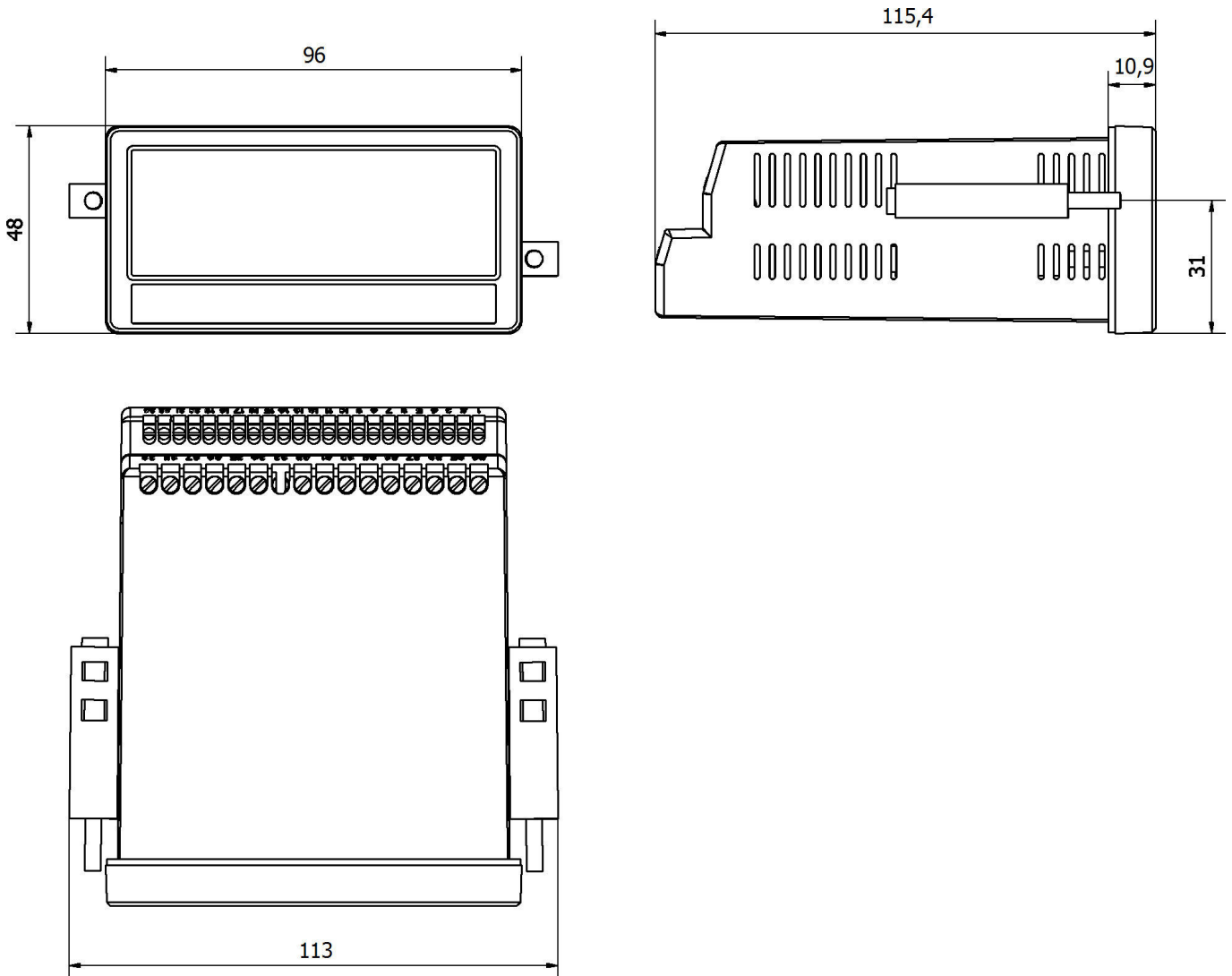
**More**

IPF Product Group	550 measuring transducer
packaging dimensions	198 x 185 x 107 mm
gross weight	333 g
Customs tariff number	85437090
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**Installation**

Mounting / installation may only be carried out by a qualified electrician!



**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**Safety warnings**

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.
- / Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)