

# WP050100

## Monitors • Position

monitor position, 48x116x96mm, Display LED, 8 decades, 4x preset, 18-30V DC, 4x PNP/NPN Programmable/configurable, 0-10V / 0 mA ... 20 mA, Screw connection, IP65, Plastic, Background lighting of LC display



The monitoring of rotation speed or rotating movements is necessary in many applications to ensure the proper operation of the plant. Our rotation- and zero speed monitors operate according to different operating principles: 1. Monitoring of pulses of a transducer via a current transformer, 2. Frequency measurement of the phase current. Our devices feature, depending on the type, a wide variety of functions. For a further evaluation in a higher-level control, the results are i.e. outputted as easy relay contact (over-/ underspeed) or as analog output signal resolved to the set rotation speed range.

### Electrical features

Number of decades	8
Number of presets to be set	4
Number of switching outputs	4
Display	LED display (illuminated)
Type of 2nd switching function	Programmable/configurable
Type of 3rd switching function	Programmable/configurable
Type of 4th switching function	Programmable/configurable
Type of switching function	Programmable/configurable
Type of 2nd switching output	PNP/NPN
Type of 3rd switching output	PNP/NPN
Type of 4th switching output	PNP/NPN
Type of analog output	0 - 10V   0 - 20mA
Type of electrical connection	Clamped terminal connection
Type of switching output	PNP/NPN
Type of signal input A	PNP
Type of signal input B	PNP/NPN
Rated switching current	200 mA
Transducer power supply voltage	24 V
Transducer power supply current	250 mA
No-load current	100 mA
Switching voltage	24 V
Supported communication interface	RS232
Operating voltage (DC)	18 - 30 V

**Mechanical features**

Width	96 mm
Installation depth	105 mm
Height	48 mm
Storage temperature	-25 - 70 °C
Length	116 mm
Mounting method	Panel mounting
Degree of protection (IP)	IP65
Housing material	Plastic
Ambient temperature	-20 - 60 °C

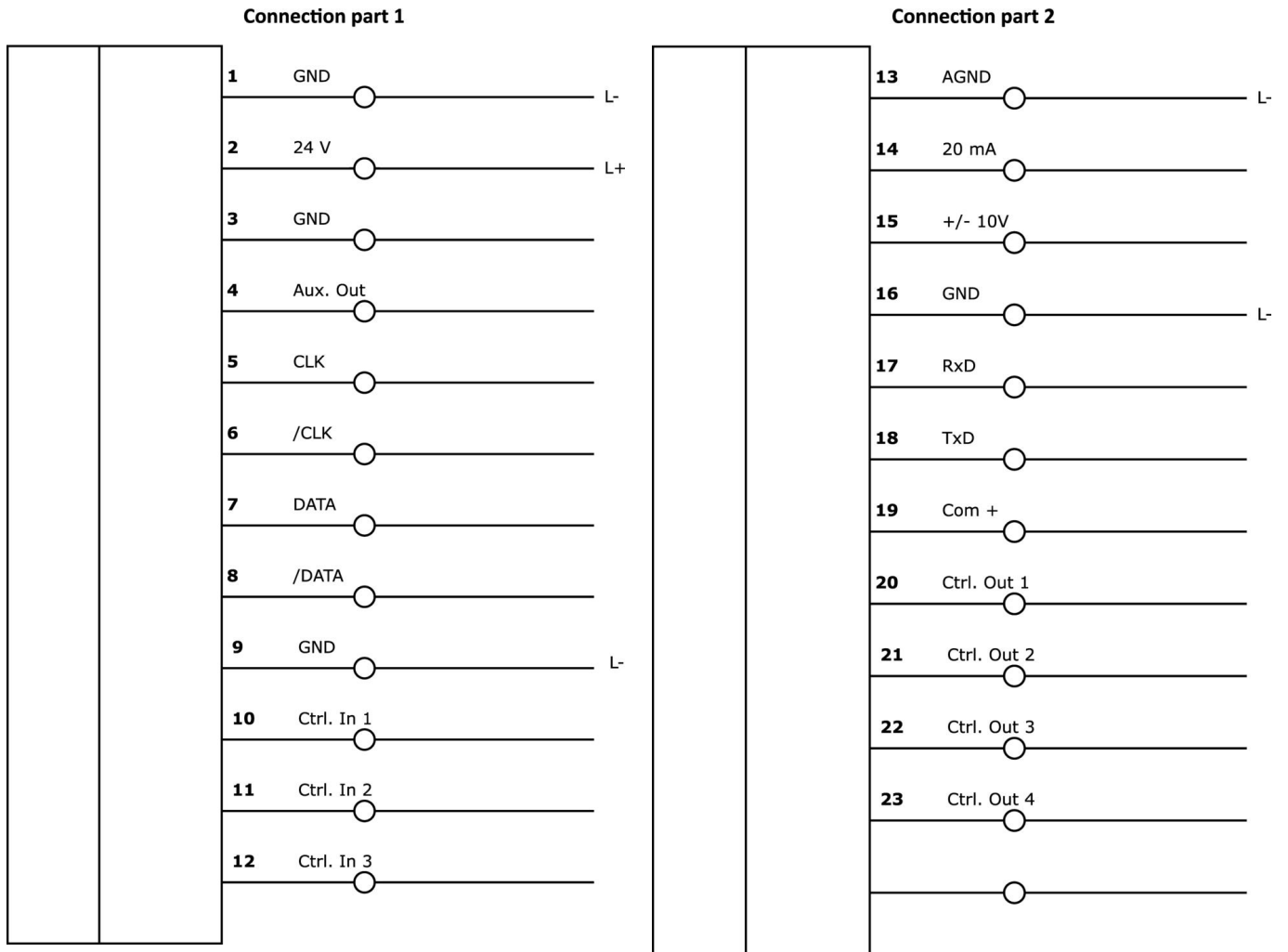
**Classification**

ETIM 8	EC002300 Built-in pulse counter
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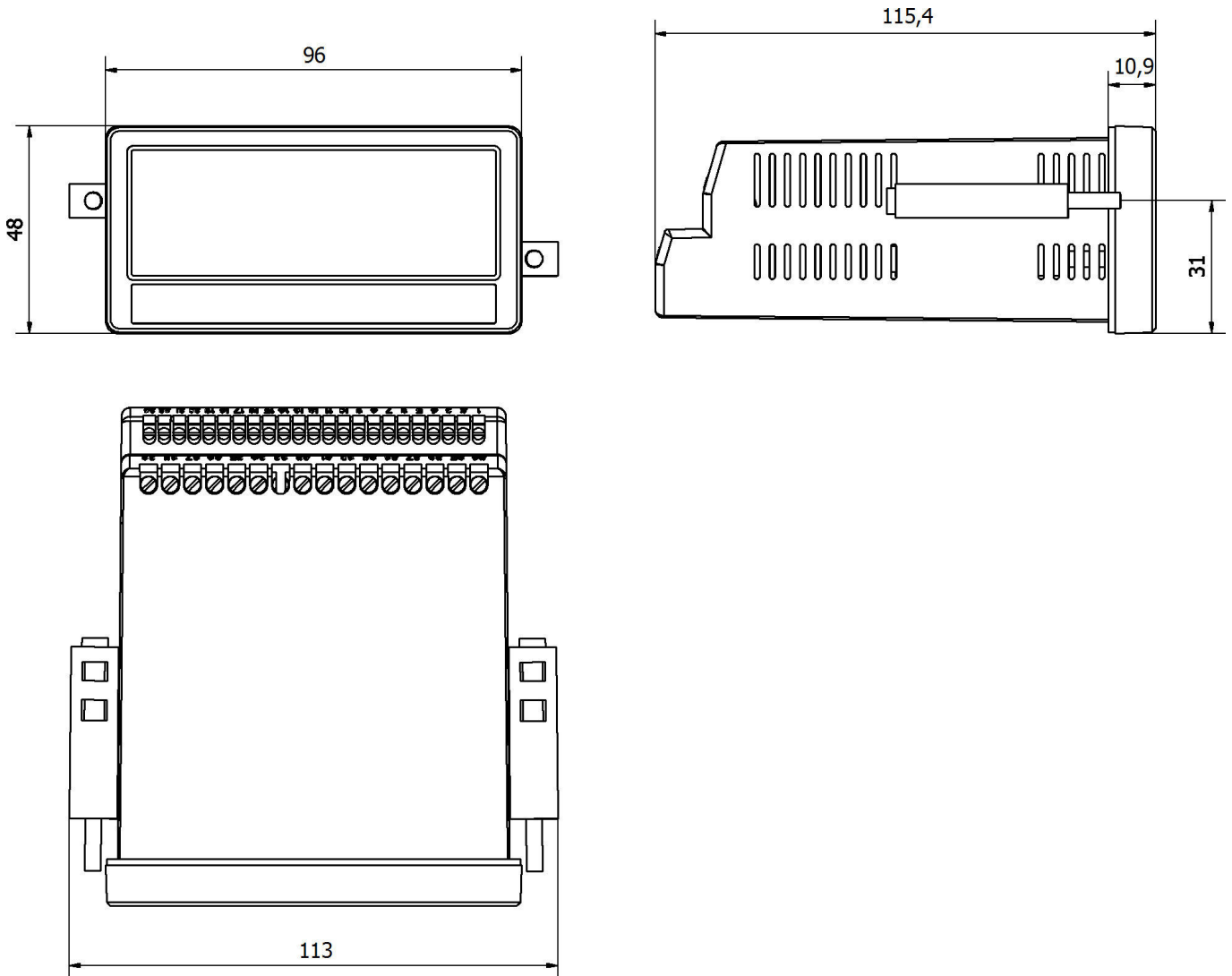
**More**

IPF Product Group	650 monitors
packaging dimensions	198 x 185 x 107 mm
gross weight	432 g
Customs tariff number	90291000
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)