

WY050100

Monitors • Pulse

Speed monitoring, 48x115x96mm, 24V DC, 4x PNP programmable/configurable, 0-10V / 0/4-20mA, screw connection, IP65, Noryl UL94, multifunctional device, with LC display, single and dual channel, parameterization



The monitoring of rotation speeds or rotating movements is required in many applications to ensure the proper operation of a system. Our rotation speed and standstill monitoring devices work according to different functional principles: 1. monitoring of pulses from a transducer 2. frequency measurement of the supply current using a current transformer. Depending on the type, our devices have a wide variety of functions. For further evaluation in a higher-level control (unit), the results are output e.g. as a simple relay contact (overspeed/underspeed) or as an analog output signal resolved to the set speed range.

Electrical features

Number of outputs	4
Number of decades	8
Display	LCD touch display
Type of switching function	Programmable/configurable
Type of analog output	0 - 10V 0 - 20mA 4 - 20mA
Type of electrical connection	Clamped terminal connection
Type of switching output	PNP
Rated switching current	200 mA
Setting procedure	Parameterization
Transducer power supply current	250 mA
Type of transducer power supply voltage	DC
Switching voltage	24 V
Voltage type for actuation	DC
Counting frequency	250 kHz
Supported communication interface	RS232
Evaluation	ein- und zweikanalig
Operating voltage (DC)	18 - 30 V
Monitoring functions of the monitor	Speed Duration
ardTEEL_Anzeigegenauigkeit	1 Digit
ardTEEL_Schutzfunktionen	Reverse polarity protection Short circuit protection

Mechanical features

Width	96 mm
Height	48 mm
Storage temperature	-25 - 70 °C
Length	115.4 mm
Mounting method	Panel mounting
Degree of protection (IP)	IP65
Housing material	Noryl UL94
Ambient temperature	-20 - 60 °C

Other features

Range of functions	Reset-Eingang
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Classification

ETIM 8	EC001448 Speed/standstill monitoring device
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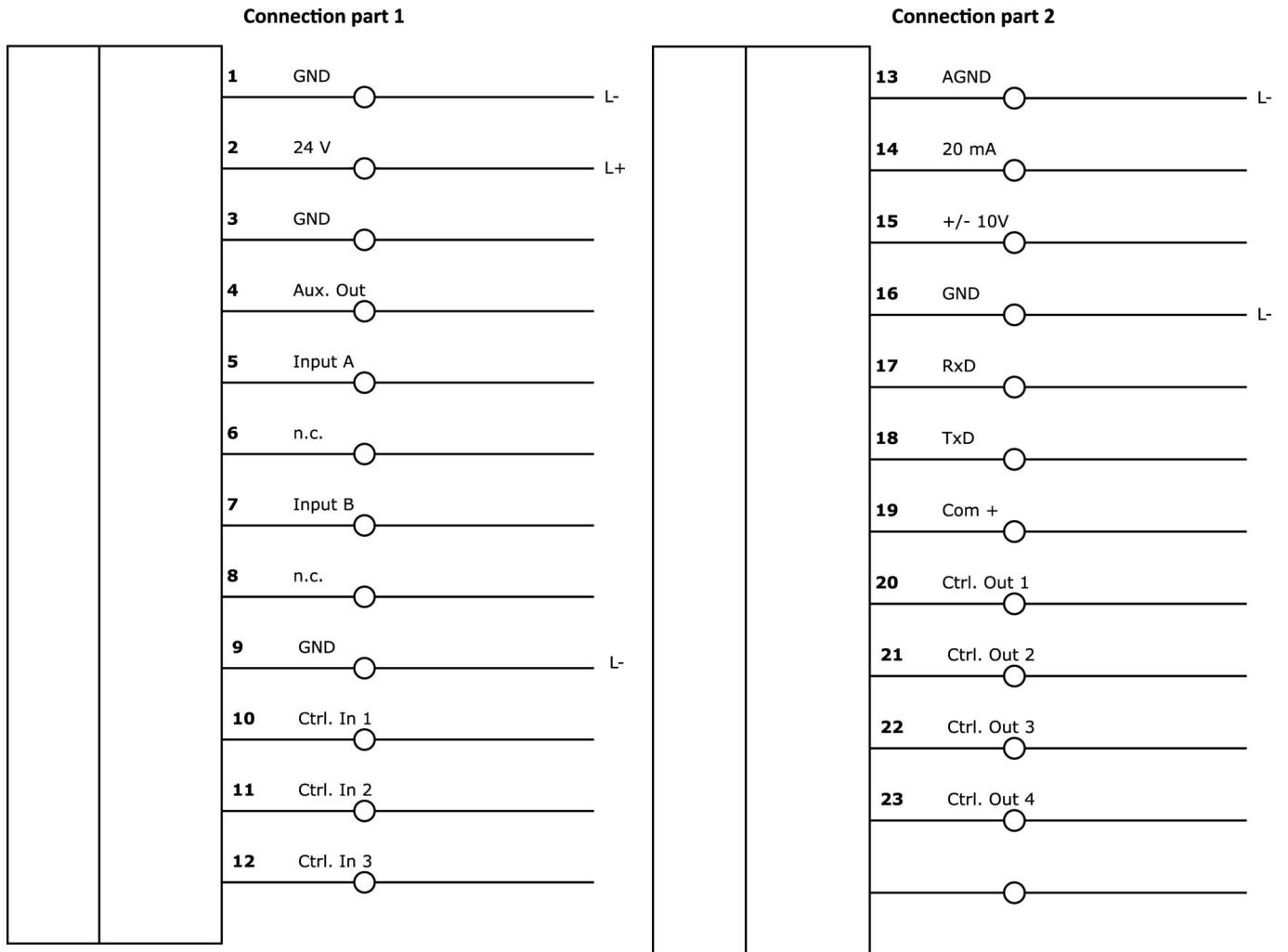
More

IPF Product Group	650 monitors
packaging dimensions	195 x 185 x 107 mm
gross weight	452 g
Customs tariff number	90292038
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

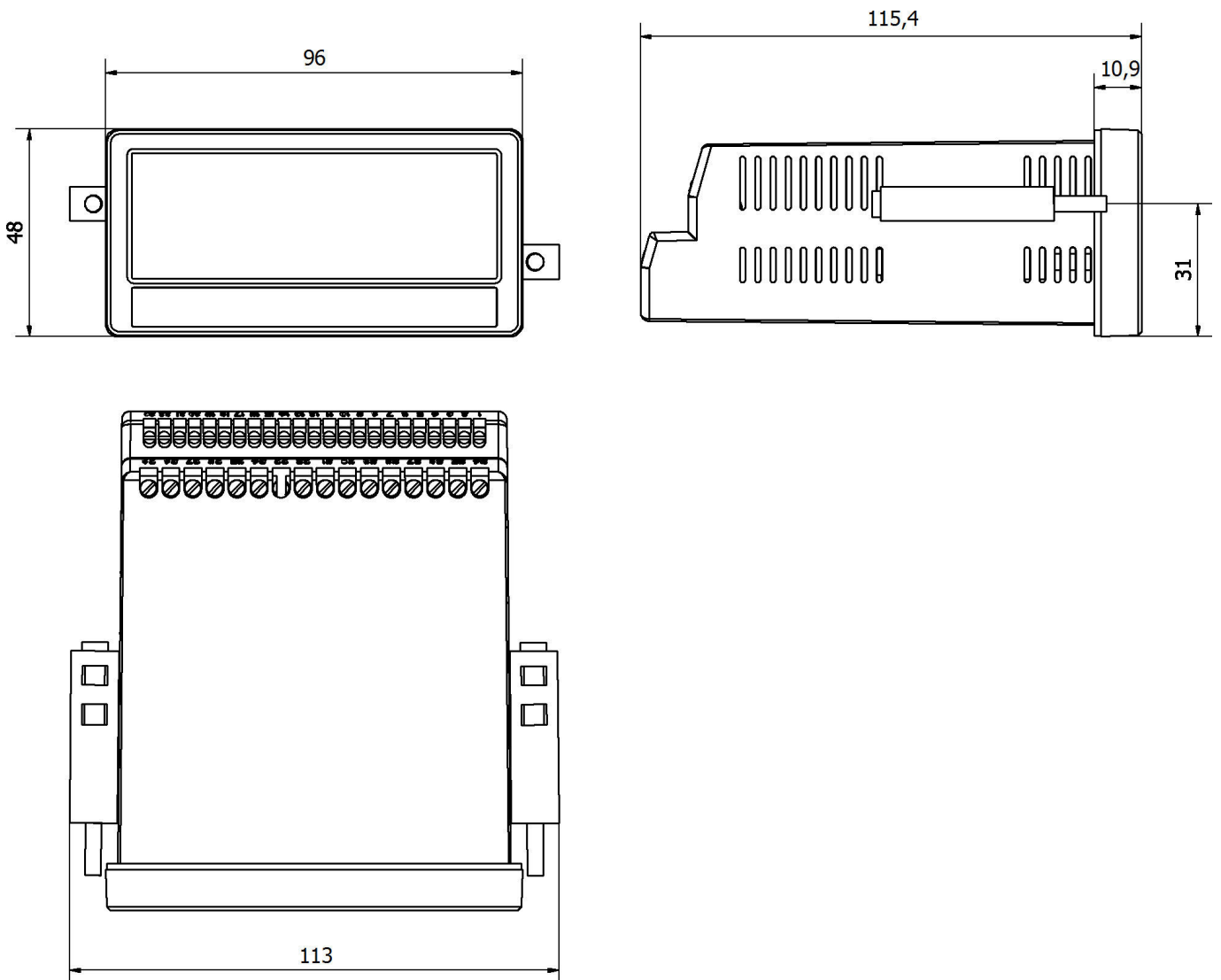
Important notes

/ A double pulse edge evaluation of both channels increases the maximum frequency of count.

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