

WY050100

Monitors • Pulse

speed monitoring, 48x115x96mm, 24V DC, 4x PNP Programmable/configurable, 0-10V/ 4-20mA / 0 ... 20 mA, Screw connection, IP65, Noryl UL94, Multifunctional device, With LCD display, One- and two-channel, Parameterization



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 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
Evaluation of inputs	one- and two-channel
Rated switching current	200mA
Setting procedure	Parameterization
Transducer power supply current	250mA
Type of transducer power supply voltage	DC
Short-circuit protection	Yes
Switching voltage	24V
Voltage type for actuation	DC
Reverse polarity protection	Yes
Counting frequency	250kHz
Supported communication interface	RS232
Operating voltage (DC)	18 - 30V
Digital display accuracy 1 digit	Yes
With reset function	Yes
Monitoring functions of the monitor	SpeedDuration

Mechanical features

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

Other features

Important note	A double pulse edge evaluation of both channels increases the maximum frequency of count.
With transducer power supply	Yes
Multifunctional device	Yes
Ambient temperature	-20 - 60°C

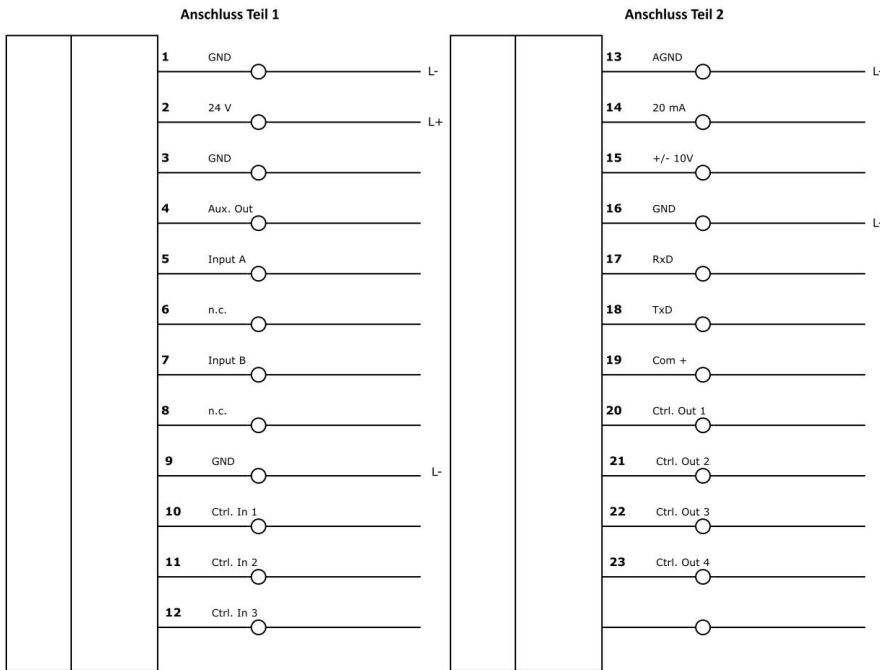
Classification

ETIM 8	EC001448 Speed/standstill monitoring device
eClass 7.0	27200414
eClass 7.1	27200414
eClass 8.0	27200414
eClass 9.0	27200414
eClass 9.1	27200414

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

Connection



Installation



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

Disposal



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.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.

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

Dimensional drawing

