

**WY050100****MONITORS • PULSE MONITORS**

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.

**MECHANICAL DATA**

Ambient temperature (MAX)	60 °C
Ambient temperature (MIN)	-20 °C
Degree of protection (IP)	IP65
Depth	105 mm
Height	48 mm
Housing material	Noryl UL94
Length	116 mm
Mounting method	Other
Storage temperature	70 °C
Storage temperature	-25 °C
Width	96 mm

**ELECTRICAL DATA**

Digital display accuracy 1 digit	Yes
Evaluation of inputs	3-channel
Input voltage at DC (MAX)	30 V
Input voltage at DC (MIN)	18 V
Max. input frequency for A/B	250 kHz
Max. input frequency for counter	250 kHz
Max. input frequency for reset	1 kHz
Number of decades	8
Number of outputs	5
Number of outputs, signaling function, undelayed, semiconductors	4
Rated control supply voltage $U_s$ at DC (MAX)	30 V
Rated control supply voltage $U_s$ at DC (MIN)	18 V
Reverse polarity protection	Yes
Rotation speed monitoring function	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Standstill monitoring function	No

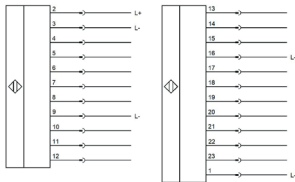
## ELECTRICAL DATA

Switching current	0.2 A
Switching voltage	24 V
Transducer power supply current	250 mA
Type of analog output	0 V ... 10 V / 4 mA ... 20 mA / 0 ... 20 mA
Type of electrical connection	Screw connection
Type of switching function	Programmable/configurable
Type of switching output	PNP
Type of transducer power supply voltage	DC
Voltage type for actuation	DC
With display	Yes

## OTHER DATA

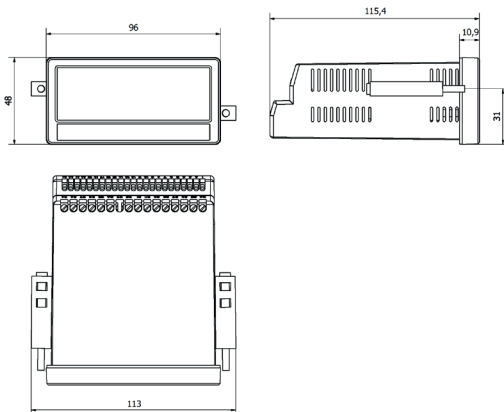
Input frequency >20kHz	Yes
Multifunctional device	Yes
With transducer power supply	Yes

## CONNECTION



**Colors: Functions:** 1 = L-, 2 = L+, 3 = L-, 4 = Aux. Out, 5 = Input A, 6 = n. c., 7 = Input B, 8 = n. c., 9 = L-, 10 = Ctrl. In 1, 11 = Ctrl. In 2, 12 = Ctrl. In 3, 13 = AGND, 14 = 20mA, 15 = +/-10V, 16 = L-, 17 = RxD, 18 = TxD, 19 = Com +, 20 = Ctrl. Out 1, 21 = Ctrl. Out 2

## DIMENSIONAL DRAWING



## 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.