

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	-20 °C ... 60 °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	18 V ... 30 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	18 V ... 30 V
Reverse polarity protection	Yes
Rotation speed monitoring function	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Standstill monitoring function	No
Switching current	0.2 A
Switching voltage	24 V
Transducer power supply current	250 mA

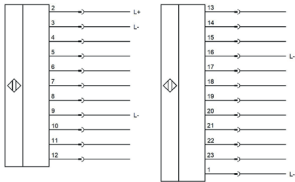
ELECTRICAL DATA

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

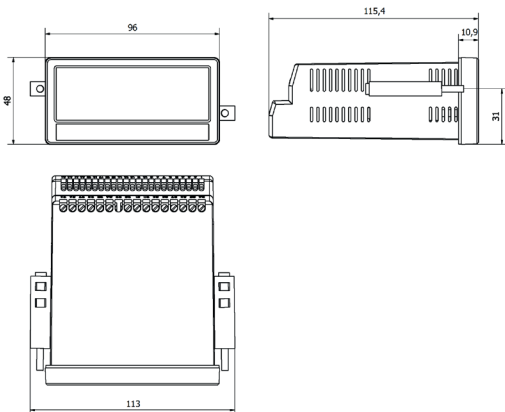
OTHER DATA

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

CONNECTION



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!

