

WP050100

MONITORS • POSITION 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
Height	48 mm
Housing material	Plastic
Installation depth	105 mm
Length	116 mm
Mounting method	Front mounting
Storage temperature	70 °C
Storage temperature	-25 °C
Width	96 mm

ELECTRICAL DATA

Display	LED
Max. output current 1	0.2 A
Max. output current 2	0.2 A
Max. output current 3	0.2 A
Max. output current 4	0.2 A
No-load current	100 mA
Number of decades	8
Number of presets to be set	4
Number of switching outputs	4
Operating voltage	18 V ... 30 V
Pulse counter	Yes
Rated control supply voltage U_s at DC	18 V ... 30 V
Switching current	0.2 A
Switching voltage	24 V
Transducer power supply current	250 mA
Transducer power supply voltage	24 V
Type of 2nd switching function	Programmable/configurable
Type of 2nd switching output	PNP/NPN
Type of 3rd switching function	Programmable/configurable

ELECTRICAL DATA

Type of 3rd switching output	PNP/NPN
Type of 4th switching function	Programmable/configurable
Type of 4th switching output	PNP/NPN
Type of analog output	0 V ... 10 V / 0 mA ... 20 mA
Type of electrical connection	Screw connection
Type of signal input A	PNP
Type of signal input B	PNP/NPN
Type of switching function	Programmable/configurable
Type of switching output	PNP/NPN
With communication interface, RS-232	Yes

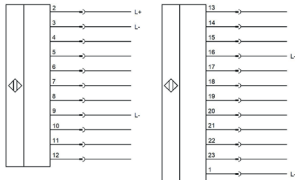
OPTICAL DATA

Background lighting of LC display	Yes
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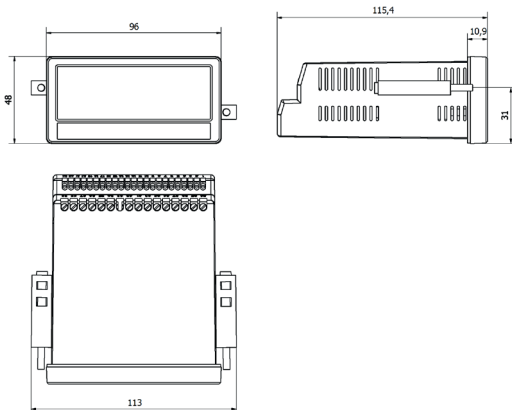
OTHER DATA

Number of characters	8
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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!

