

WF50E104**MONITORS • VIBRATION 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)	80 °C
Ambient temperature (MIN)	-40 °C
Color	Other
Degree of protection (IP)	IP67
Diameter	50 mm
Height	52 mm
Housing design	Cylinder plain
Housing material	Aluminium
Material	Aluminium
Mounting type	M8 threaded coupling
Vibration resistance, acceleration	1000 g

ELECTRICAL DATA

Max. output current	500 mA
Max. switching capacity	30 W
No-load current	100 mA
Operating voltage (MAX)	30 V
Operating voltage (MIN)	5 V
Response sensitivity	Adjustable
Setting procedure	Parameterization
Signal type	Vibration sensor
Switching current	0.5 A
Switching voltage	60 V
Type of electrical connection	Clamp
Type of switching function	Change-over contact (NO/NC)
Type of switching output	Relay contact
Voltage type	DC

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.