

WS574401

MONITORS • ZERO SPEED 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	-25 °C ... 70 °C
Degree of protection (IP)	IP20
Depth	110 mm
Height	75 mm
Housing material	Plastic
Mounting method	DIN rail (top hat rail) 35 mm
Storage temperature	70 °C
Storage temperature	-20 °C
Suitable for DIN rail (top hat rail) mounting	Yes
Width	45 mm

ELECTRICAL DATA

Hysteresis	20 %
Input voltage at DC	24 V ... 24 V
Minimum pulse length	0 ms
Number of outputs	2
Operating frequency	0.16 Hz ... 41.66 Hz
Power consumption	3 VA
Rated control supply voltage Us at AC 50HZ	115 V ... 115 V
Rated control supply voltage Us at DC	24 V ... 24 V
Relative repeat accuracy	1 %
Rotation speed monitoring function	No
Setting procedure	Parameterization
Standstill monitoring function	Yes
Start-up delay time	10 s
Start-up delay time	1 s
Switching capacity	720 VA
Switching current	6 A
Switching voltage	250 V
Transducer power supply current	80 mA
Type of electrical connection	Screw connection

ELECTRICAL DATA

Type of switching function	Change-over contact
Type of switching output	Relay contact
Type of transducer power supply voltage	DC
Type of transistor output	PNP
Voltage type for actuation	DC
With LED display	Yes
With test button	Yes

OTHER DATA

With start-up delay	Yes
With transducer power supply	Yes

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!