

## 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-/ under-speed) or as analog output signal resolved to the set rotation speed range.



#### MECHANICAL FEATURES

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	+
Width	45 mm

#### ELECTRICAL FEATURES

Adjustment range	2500 mm ... 1 mm
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 $U_s$ at AC 50HZ	115 V ... 115 V
Rated control supply voltage $U_s$ at DC	24 V ... 24 V
Relative repeat accuracy	1 %
Rotation speed monitoring function	-
Setting procedure	Parameterization
Standstill monitoring function	+
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
Type of switching function	Change-over contact

## ELECTRICAL FEATURES

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	+
With test button	+

## OTHER FEATURES

With start-up delay	+
With transducer power supply	+

## Other

Packaging dimensions	76.0mm x 50mm x 121.0mm
Shipping weight	0.29kg
Tariff code	90292038

## Classification

ipf product group	650
eClass 8.0	27371811
eClass 9.0	27371811
eClass 9.1	27371811
ETIM-5.0	EC001448
ETIM-6.0	EC001448
ETIM-7.0	EC001448

## Connection

## Dimensional drawing

### Installation



Mounting / installation may only be carried out by a qualified electrician!

### Disposal



## Software

Please download the software or driver required for operating your new device on our homepage: [www.ipf.de](http://www.ipf.de)

## 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. LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.