

WD720900

MONITORS • ROTATION 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 (MAX)	70 °C
Degree of protection (IP)	IP20
Depth	76 mm
Height	91 mm
Housing material	Plastic
Mounting method	DIN rail (top hat rail) 35 mm
Storage temperature	70 °C
Storage temperature	-25 °C
Suitable for DIN rail (top hat rail) mounting	Yes
Width	72 mm

ELECTRICAL DATA

Input voltage at DC	10 V ... 30 V
Max. input frequency for asymmetric pulses, TTL level	350 kHz
Max. input frequency for symmetric pulses in RS422	1000 kHz
Minimum pulse length	0 ms
Number of outputs	3
Operating frequency	0.1 Hz ... 1000000 Hz
Power consumption	70 VA
Rated control supply voltage U_s at DC	17 V ... 30 V
Rotation speed monitoring function	Yes
Setting procedure	Parameterization
Standstill monitoring function	Yes
Start-up delay time	128 s
Start-up delay time	1 s
Switching capacity	60 VA
Switching current	2 A
Switching voltage	230 V
Transducer power supply current	200 mA
Type of analog output	0 V ... 10 V / 4 mA ... 20 mA / 0 ... 20 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
Voltage type for actuation	DC
With communication interface, RS-232	Yes
With display	Yes

OTHER DATA

Multifunctional device	Yes
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!