

VY86C133 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 FEATURES

Ambient temperature	-25 °C ... 75 °C
Degree of protection (IP)	IP20
Depth	65 mm
Height	65 mm
Housing material	Polycarbonate
Length	85 mm
Mounting method	DIN rail (top hat rail) 35 mm
Suitable for DIN rail (top hat rail) mounting	+
Width	35.6 mm

ELECTRICAL FEATURES

Evaluation of inputs	Dual channel
Minimum pulse length	2.5 ms
Number of outputs	1
Operating frequency	120 Hz ... 400 Hz
Power consumption	15 VA
Rated control supply voltage U_s at DC	10 V ... 30 V
Reverse polarity protection	+
Rotation speed monitoring function	+
Setting procedure	Teach-In
Standstill monitoring function	-
Switching current	1.5 A
Switching voltage	250 V
Type of electrical connection	Screw connection
Type of switching function	Change-over contact
Type of switching output	Relay contact
With current transformer	+
With LED display	+

OTHER FEATURES

With start-up delay	+
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Other

Packaging dimensions	97.0mm x 89.0mm x 220mm
Shipping weight	0.1kg
Tariff code	85365005

Classification

ipf product group	700
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

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.