

## VY86C885

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

#### ELECTRICAL DATA

Evaluation of inputs	2-channel
Input voltage at DC (MAX)	24 V
Input voltage at DC (MIN)	10 V
Max. input frequency for reset	3 kHz
Minimum pulse length	1.25 ms
Number of outputs	1
Operating frequency (MAX)	800 Hz
Operating frequency (MIN)	10 Hz
Power consumption	15 VA
Rated control supply voltage $U_s$ at DC (MAX)	28.8 V
Rated control supply voltage $U_s$ at DC (MIN)	19.2 V
Reverse polarity protection	Yes
Rotation speed monitoring function	Yes
Setting procedure	Teach-In
Standstill monitoring function	No
Switching current	1.5 A
Switching voltage	250 V
Type of electrical connection	Screw connection
Type of switching function	Breaker contact
Type of switching output	Relay contact

**ELECTRICAL DATA**

Voltage type for actuation	DC
With current transformer	Yes
With LED display	Yes

**OTHER DATA**

With start-up delay	Yes
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**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.