

Speed sensing switch EG2-M2 RED

Redesign

The redesign of the EG2-M2 module (originally Pepperl + Fuchs) was developed to ensure the long-term operational life of existing plants if the original modules are no longer available from the manufacturer.

The redesigned modules are completely dimensionally, pin and functionally compatible with the original and can be easily integrated in existing electrical cabinet and systems as a "plug-and-play replacement".

The electrical data as well as the control and display elements are also identical to the original modules.

EG2-M2 RED, functions:

2 channel rotation speed monitor with adjustable start by-pass, with monitoring of 1 limiting value/channel
Alternatively operated as:

1 channel rotation speed monitor with adjustable start by-pass and monitoring of 2 limiting value on channel 1.

2 inputs, potential separated, inherently safe,
DC 8V/8mA, for short circuiting engine speed sensor

2 outlets, relays 2 pole change over, electrically isolated, selectable direction
2 continuous switching outlets, synchronous to the inlets log 1 = 1, log 0 = 0

The switching frequency (rotation speed) applied to the inlets shall be compared with the intended frequency on the pre-selection switches of the controller.

In keeping with the result of the comparison of the intended and actual values, an outlet relay and notification LED will be activated.

2-channel-mode

Should the input frequencies on the channels be identical to or greater than the intended frequency, the outlet relay and the LED shall be activated.

If the input frequency is lower than the intended frequency, the outlet relay and the LED will be deactivated.

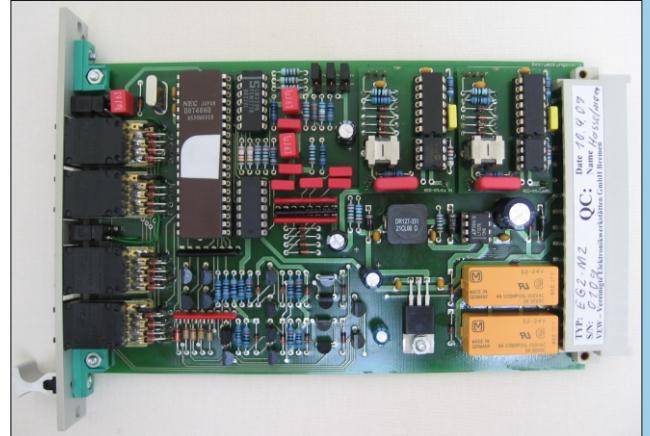
Depending on the pre-set start by-pass time, a configurable hysteresis will be implemented if the frequency falls below the planned one.

1-channel-mode

In single channel mode, the input frequency can be monitored for violation of an upper and lower threshold (min/max value).

If the input frequency is less than the lower intended frequency, the output relay for the minimum threshold will be activated.

If the input frequency is higher than the upper intended frequency, the output relay for the maximum threshold will be activated.



Technical Data:

Dimensions	: Europe-size 100x160mm, 3HE, 4TE
Plug-in	: DIN 41612F 48pole
Supply voltage	: nom. 24V (20..28V) 130mA
Input/channel	: 2, galvanic separated, intrinsically safe 8V DC 8mA
Output	: 2 relays 2pol., galvanic separated, change over contact
Monitoring range	: Notation speed: 0,06..59401/Min.; F: 0,001..99Hz



DIE ENTWICKLER

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