

Tolerance module AYE 4040, 4041 and 4042

Tolerance module for Micrometer Series AYE 4000

AYE 4040 3 Classes

AYE 4041 3 Classes with Relay-Output

AYE 4042 5 Classes with Relay-Output

Contents:

1. Displaying and adjusting the tolerance-limits
2. Outputs
3. Layout of the output-connector

1. Displaying and adjusting the tolerance-limits

AYE 4040 and 4041 display the upper limit with a RED LED and the lower limit with an YELLOW LED.

AYE 4042 displays the upper and the lower limit with each a RED LED. The upper and lower warning-limits will be displayed with each an YELLOW LED.

All modules display the Good-class with a GREEN LED:

The switching levels can be read on the scale of the micrometer after toggling the switch. The settings can be done by the potentiometers.

upper limit -- switch upwards -- upper potentiometer

lower limit -- switch downwards -- lower potentiometer

The tolerance limits must be adjusted ascending i.e. the lowest tolerance limit must have the lowest value and the highest tolerance limit must have the highest value.

The tolerance limits will change by changing the measuring range, i.e. The tolerances are adjusted to a segment on the display.

2. Outputs

The Outputs are at the back side of AYE 4041 and 4042, realized as potentialfree relay contacts.

3. Layout of the output-connector

Connection with an external femal 6p. connector DIN 45 325.

AYE 4041

Pin 1	Common
Pin 2	lower limit
Pin 4	Good
Pin 5	upper limit

AYE 4042

Pin 1	Common
Pin 2	lower limit
Pin 3	lower warning limit
Pin 4	Good
Pin 5	upper warning limit
Pin 6	upper limit

Maximum ratings for the relay-outputs: 0,1 A/ 60 V DC; 0,1 A/ 42 V AC

Attention: The contacts are not protected against inductive load!