



1. Detection of a welding line on a metal ring

The task is to detect the welding line on a metal ring. At this the metal ring is turned, during the movement the welding line is passing the two laser light curtains from the laser sensors type **A-LAS-F12-6.5x0.8-100/80** one after the other. The **A-LAS-CON1** control electronics, which is connected to the laser fork light barriers, is evaluating the shift of the analogue signals in using a special algorithm (normalization of both analogue signals). The digital output of the A-LAS-CON1 will be set, if the

NORM signal is out of tolerance.

