



# SB01A

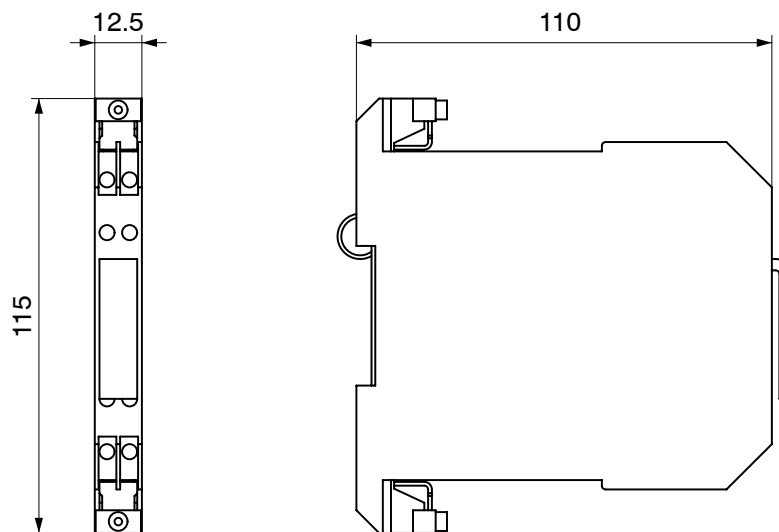
Safety barriers



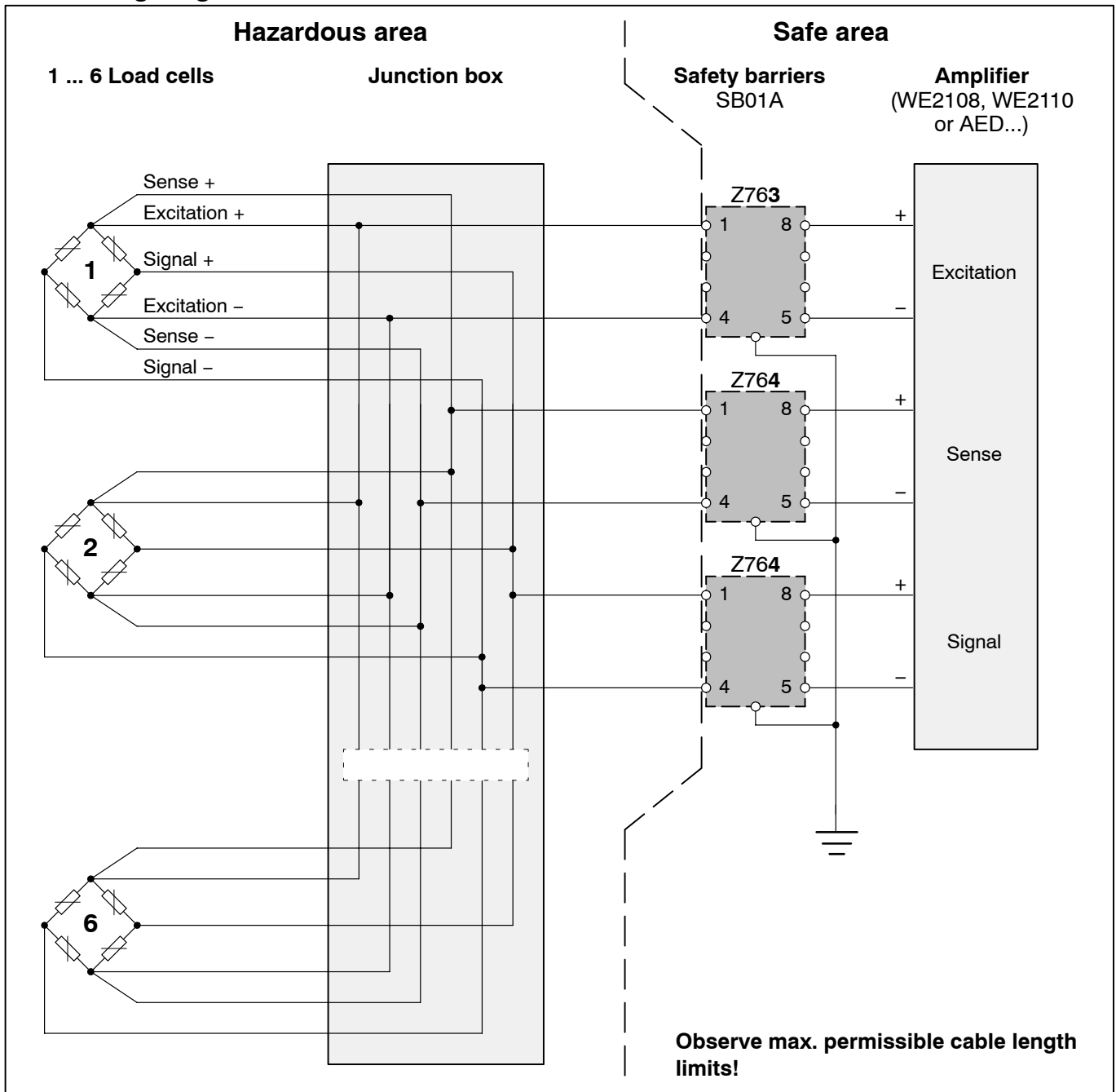
## Special features

- Three optimized safety barriers for intrinsically safe installation according to ATEX for HBM strain gage load cells
- EC type examination certificate BAS01ATEX7005 (Ex II (1) GD, [EEx ia] IIC)
- Certificate of Conformity to EN50039 for a Load cell system: BAS No. Ex 02E2186 (EEx ia IIC)
- Usable with HBM electronic types WE2108, WE 2110 and AED system

Dimensions of one safety barrier (in mm; 1mm=0.03937 inches)



# Connecting diagram



In accordance to the values of inductivity and capacity specified in the certificate of conformity, the following cable length limits between the safety barriers and the junction box are permissible with HBM cable type KAB8/00-2/2/2 (blue):

Maximum permissible extension between SB01A and junction box; load cells tested to <b>PTB 01 Atex 2208, Gas group IIC</b>	300 m
Maximum permissible extension between SB01A and junction box; load cells tested to <b>PTB 01 Atex 2209, Gas group IIC</b>	300 m
Maximum permissible extension between SB01A and junction box; load cells tested to <b>PTB 01 Atex 2211, Gas group IIC</b>	100 m

**Attention:** With cable lengths of more than 50 m, the shield must not be layed on both sides.

Modifications reserved.  
All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

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