

## Zener Barrier Kit B15, B16 and B17

Data sheet



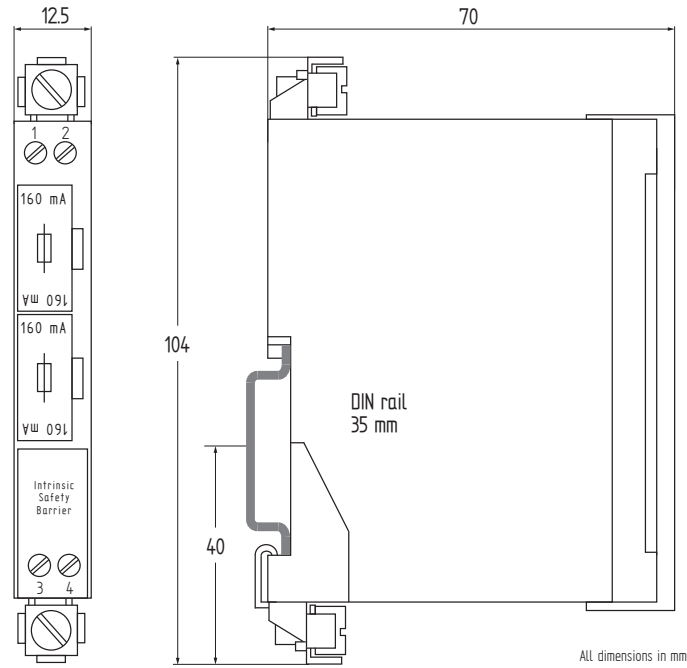
### Performance Features

- 3 Zener barriers for setting up an intrinsically safe area with load cells from our program
- Compatible with SYSTEX / ATEX certified systems
- Guaranteed metrological characteristics

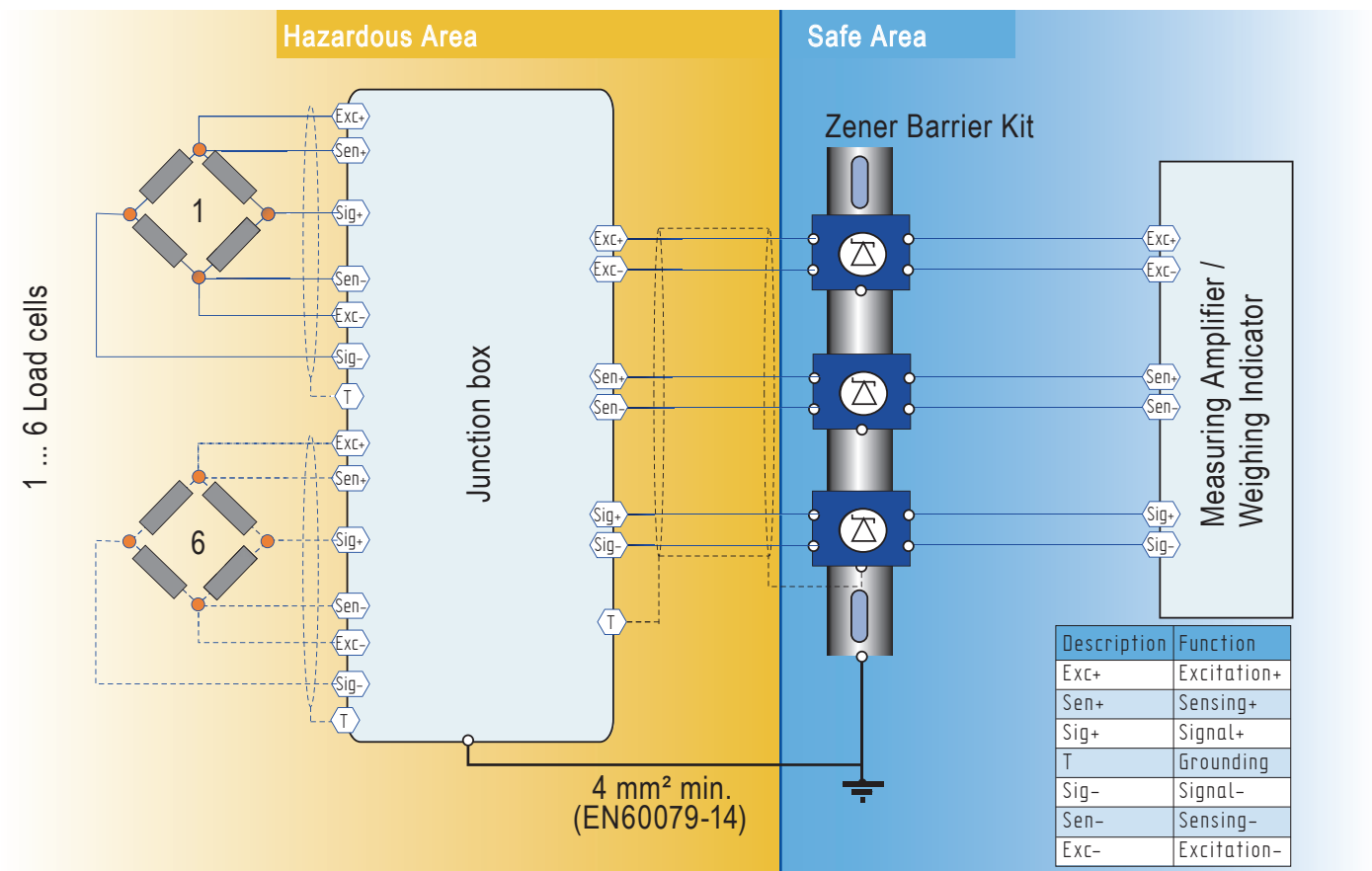
### Application

- For load cells in 6- wire technology
- Cable lengths up to a maximum of 150 m possible

## Dimensions in mm



## Connection Diagram



## Technical Data

Type	Zener Barrier Kit		
Version	Kit B15	Kit B16	Kit B19
Article-No.	<b>115045</b>	<b>108158</b>	<b>115044</b>
Zener barriers quantity	3	3	3
Supply voltage type	DC	DC	DC
Removable fuse	✓	✓	✓
Service temperature range	-20 °C < T <sub>amp</sub> < 60 °C		
Maximum cable length	150 m	70 m	65 m
Rated excitation resistance	103 Ω +1 V @ 22 mA	103 Ω +1 V @ 22 mA	65 Ω + 20 Ω
Rated sense resistance	2056 Ω	151,6 Ω	65 Ω + 20 Ω
Rated signal resistance	2056 Ω	2056 Ω	2056 Ω
Marking	ex II 3 (1) G, Ex nA [ia Ga] IIC T4 Gc / ex II (1) D, [Ex ia Da] IIIC		

## Compatibility Guide

Load Cells	Quantity	T <sub>amp</sub> max.	Measuring Amplifier		Weighing Indicator IPE50, IPC50
			CPJ, CPJ-2S	ENOD4-T	
<b>Single point load cells</b> AG, AH, AB, AP, AK, AXL, AXH	1-4	40 °C	B16 Zener Barrier Kit <sup>1</sup>	B19 Zener Barrier Kit <sup>1</sup>	B19 Zener Barrier Kit <sup>1</sup>
<b>Bending or Shear Beam Load Cells</b> F60X, SB30X, SK30X	1-4				
<b>Tension / Compression Load Cells</b> ZA30X, R10X, CA40X, CB50X RH10X	1-4 5-8				

<sup>1</sup> For cable lengths over 65 to 150 m, the B16 or B19 Zener Barrier Kit can be replaced by the B15 Zener Barrier Kit