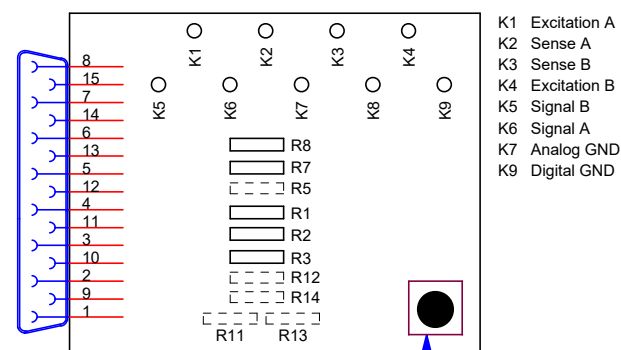
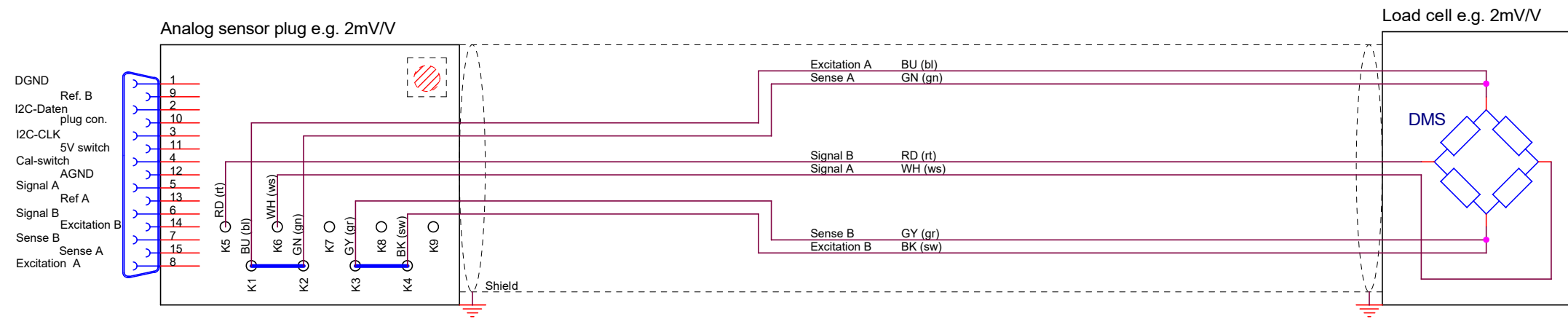
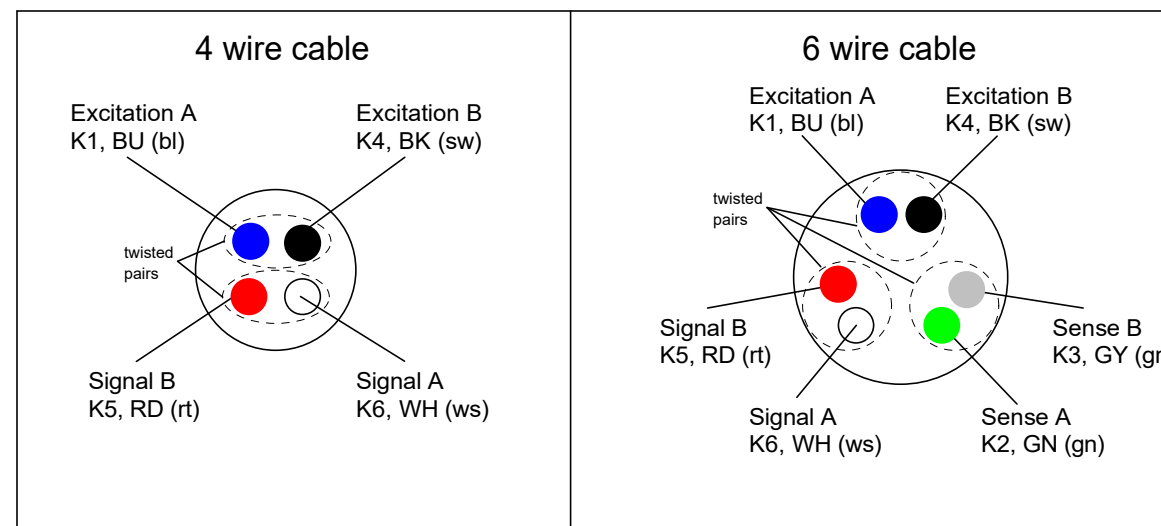
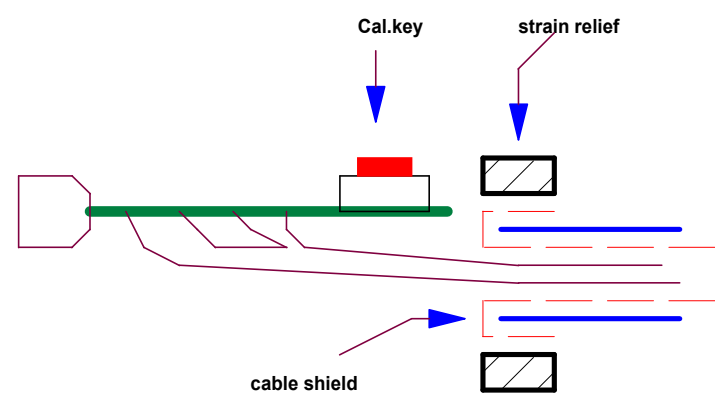


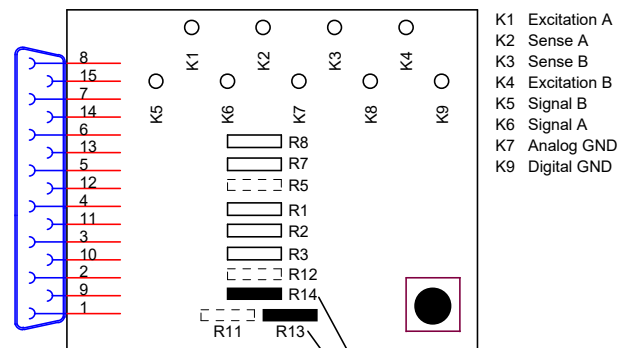
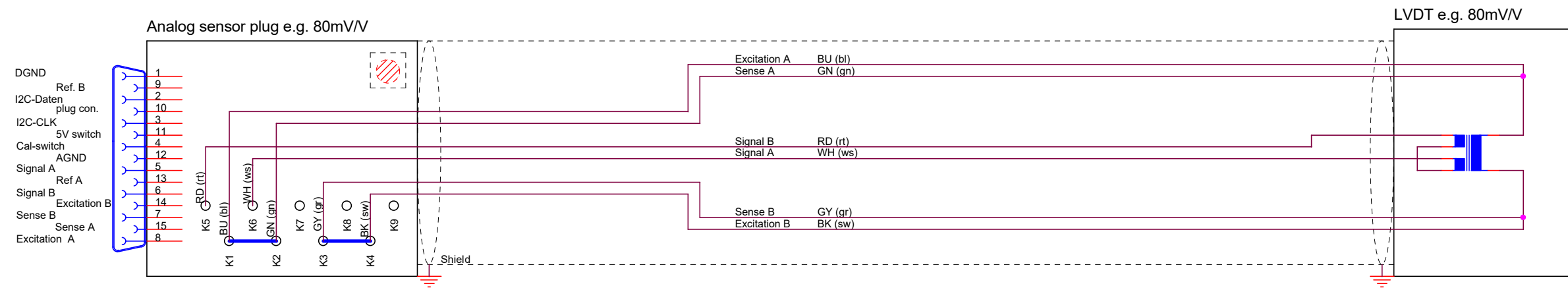
# Analog sensor plug SGSa with strain gauge full bridge



- K1 Excitation A
- K2 Sense A
- K3 Sense B
- K4 Excitation B
- K5 Signal B
- K6 Signal A
- K7 Analog GND
- K9 Digital GND

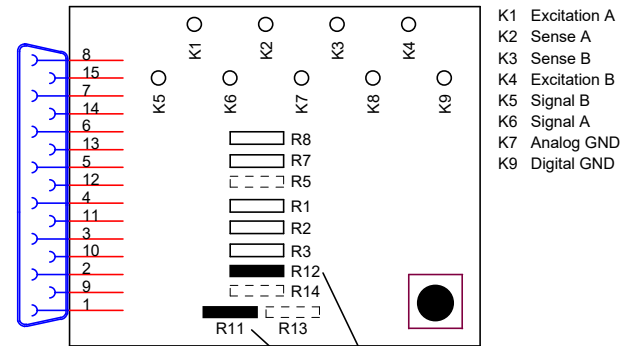
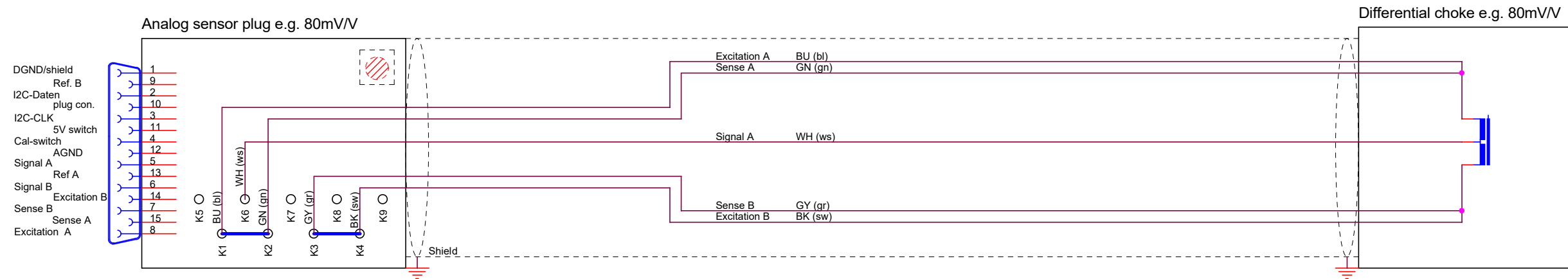


# Analog sensor plug SGSa with LVDT



Install resistor:  
R13 = 1 MOhm  
R14 = 1 MOhm

# Analog sensor plug SGSa with differential choke



Install resistor:  
R11 = 1 kOhm TK 15ppm  
R12 = 1 kOhm TK 15ppm

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www.DOLI.de

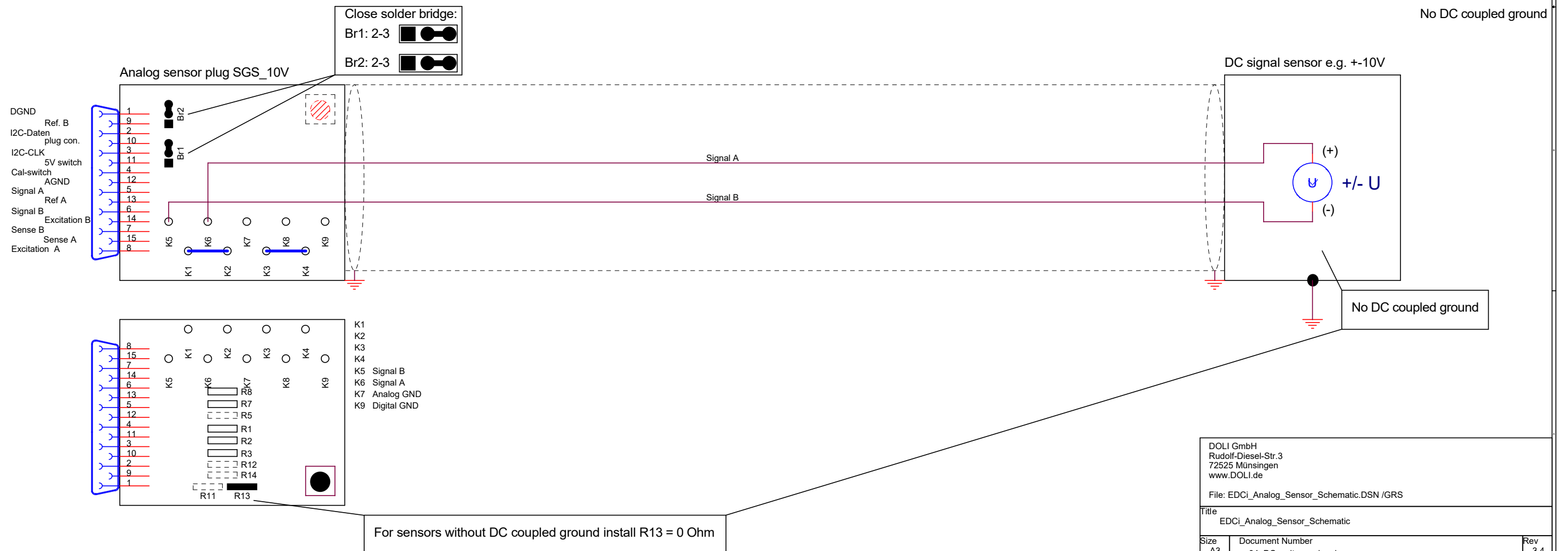
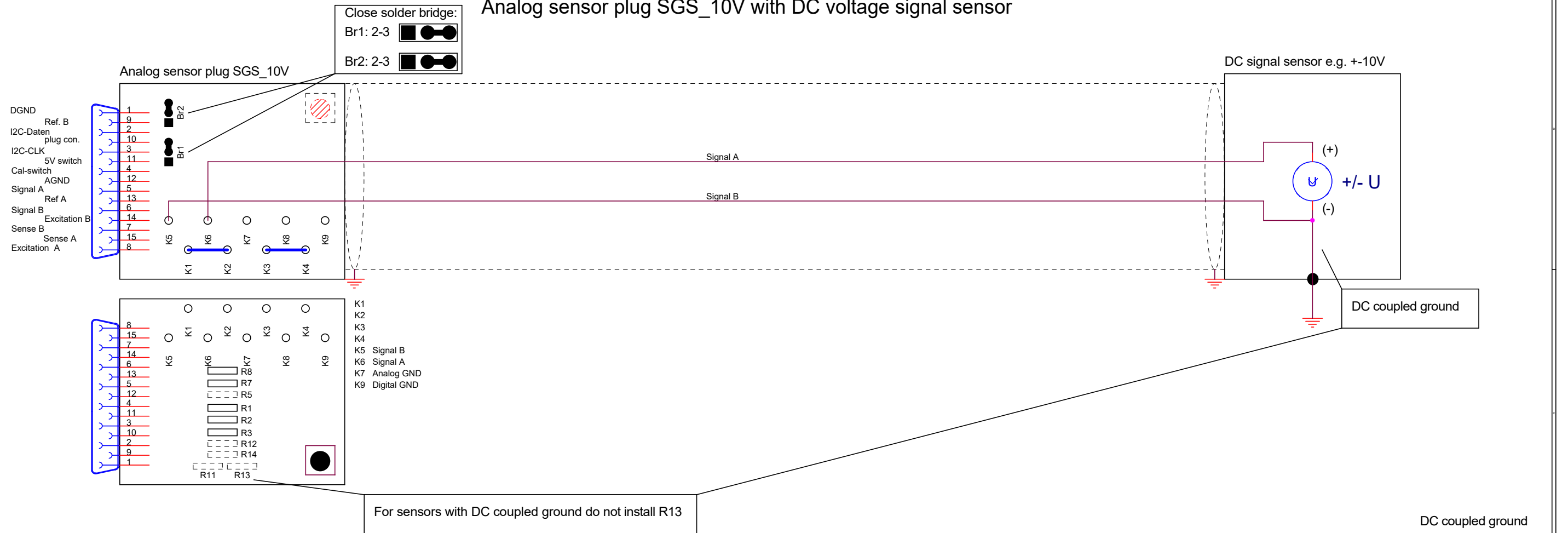
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Title  
EDCi\_Analog\_Sensor\_Schematic

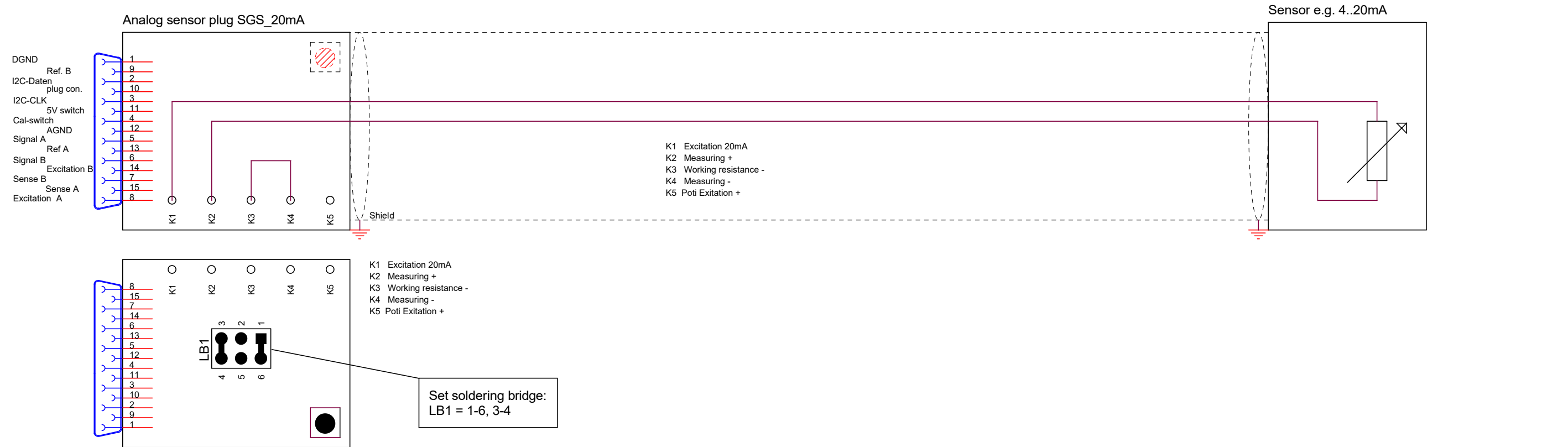
Size A3	Document Number 03_Differential_choke	Rev 3.4
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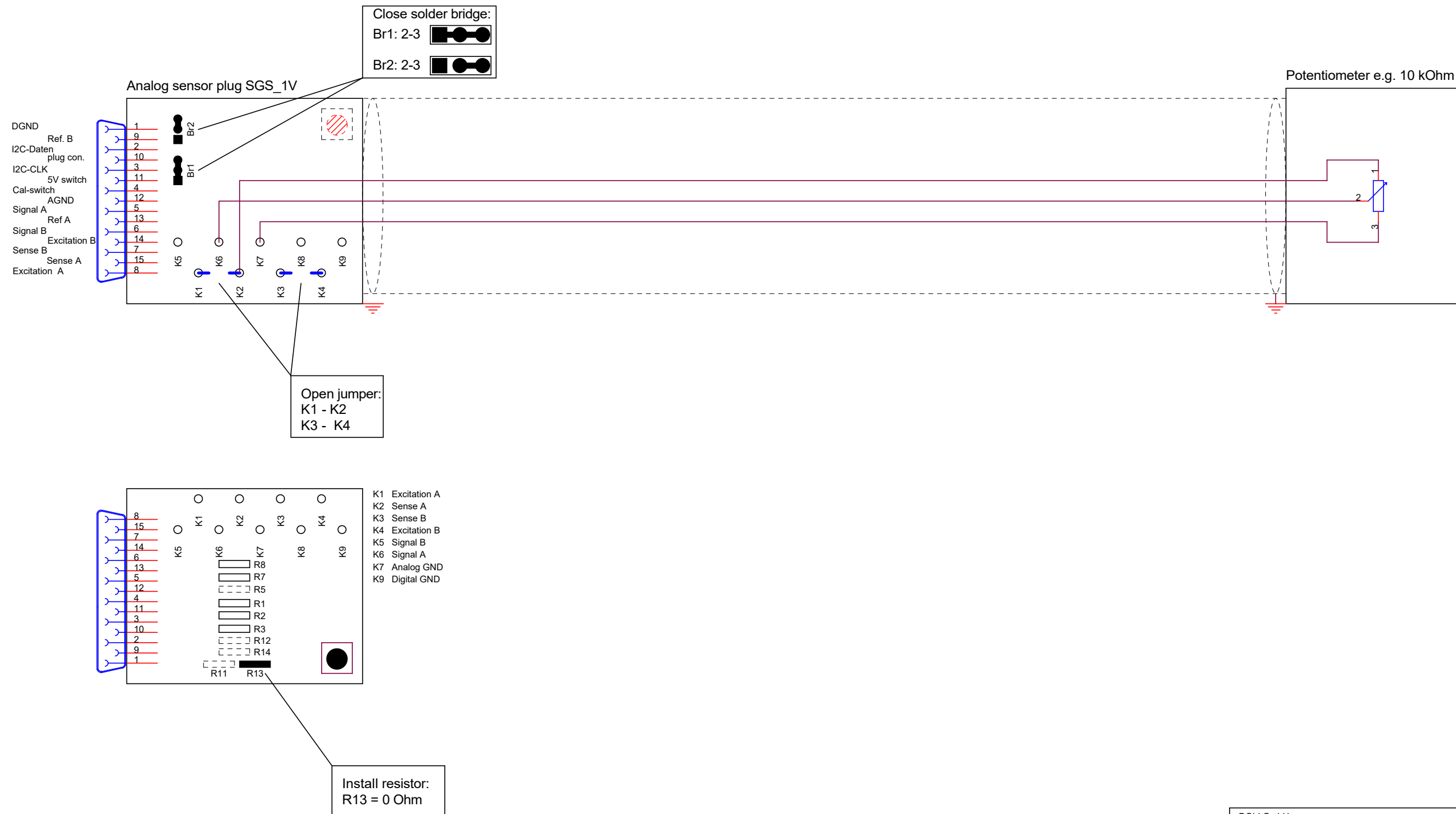
# Analog sensor plug SGS\_10V with DC voltage signal sensor



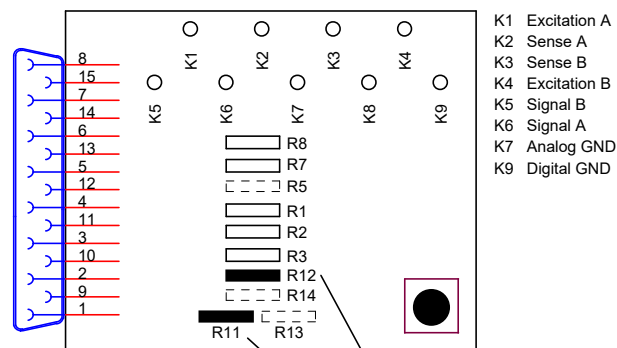
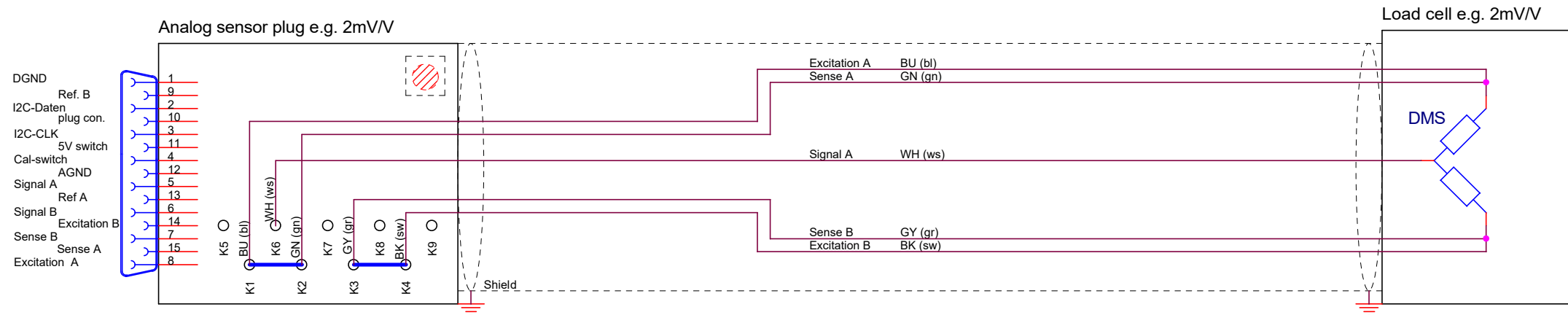
# Analog sensor plug SGS\_20mA with DC\_current\_signal\_sensor



# Analog sensor plug SGS\_1V with potentiometer



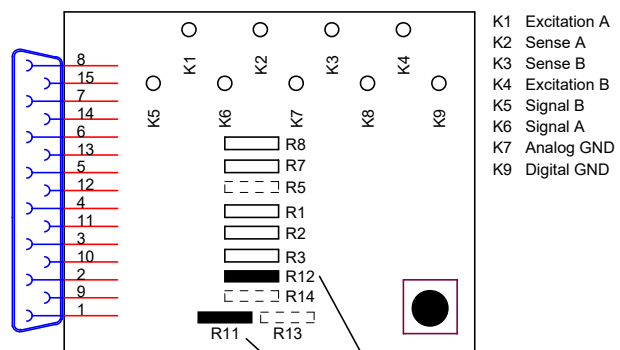
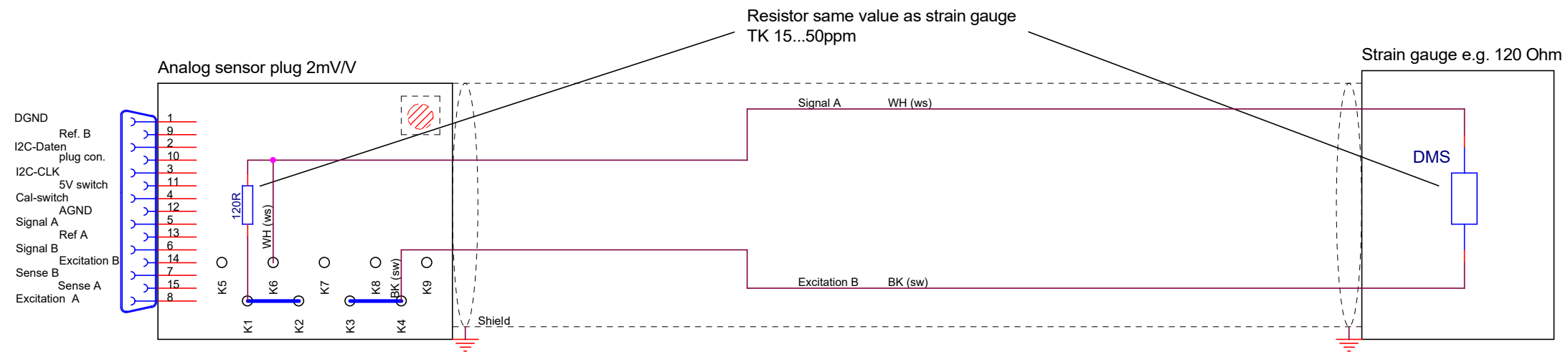
# Analog sensor plug SGSa with strain gauge half bridge



Install resistor:  
R11 = 1 kOhm TK 15ppm  
R12 = 1 kOhm TK 15ppm

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File: EDCi_Analog_Sensor_Schematic.DSN /GRS		
Title EDCi_Analog_Sensor_Schematic		
Size A3	Document Number 07_Strain_gauge_half_bridge	Rev 3.4
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# Analog sensor plug SGSa with strain gauge quarter bridge

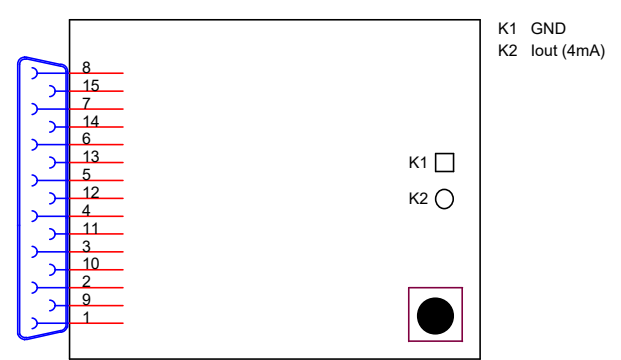
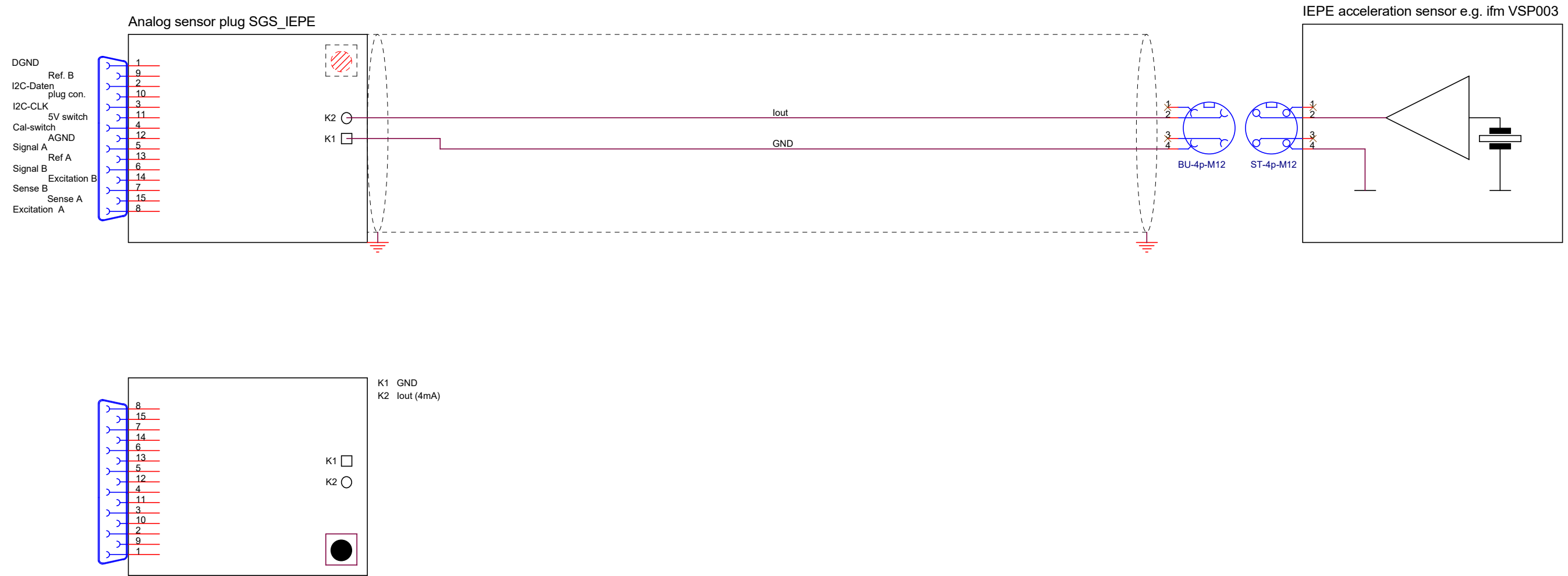


Install resistor:  
R11 = 1kOhm TK 15ppm  
R12 = 1kOhm TK 15ppm

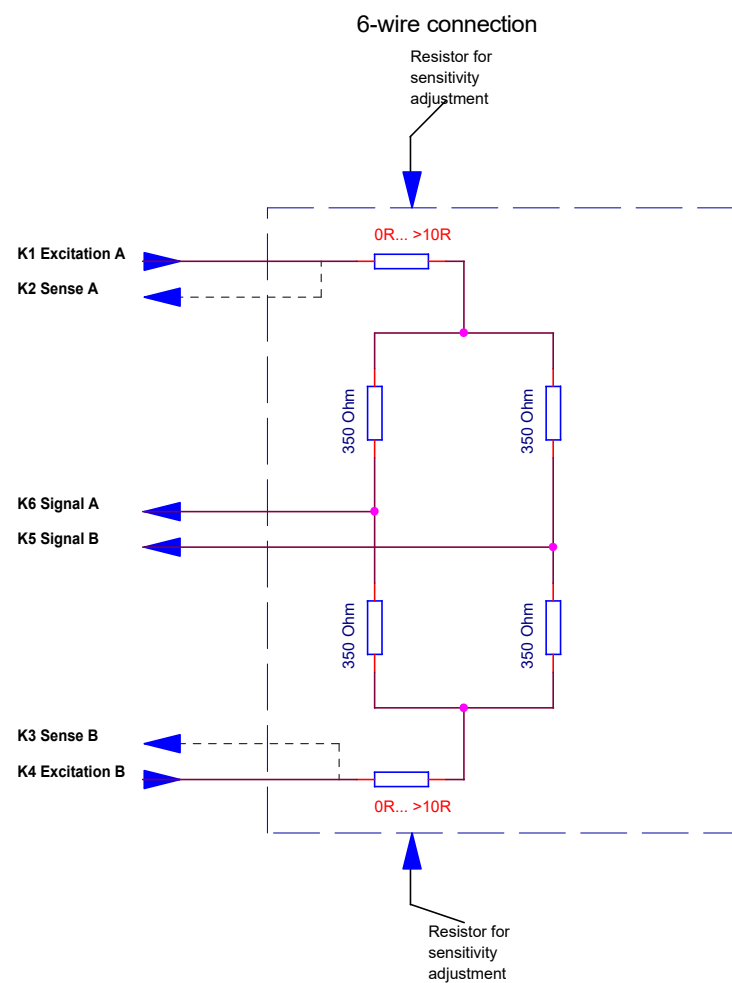
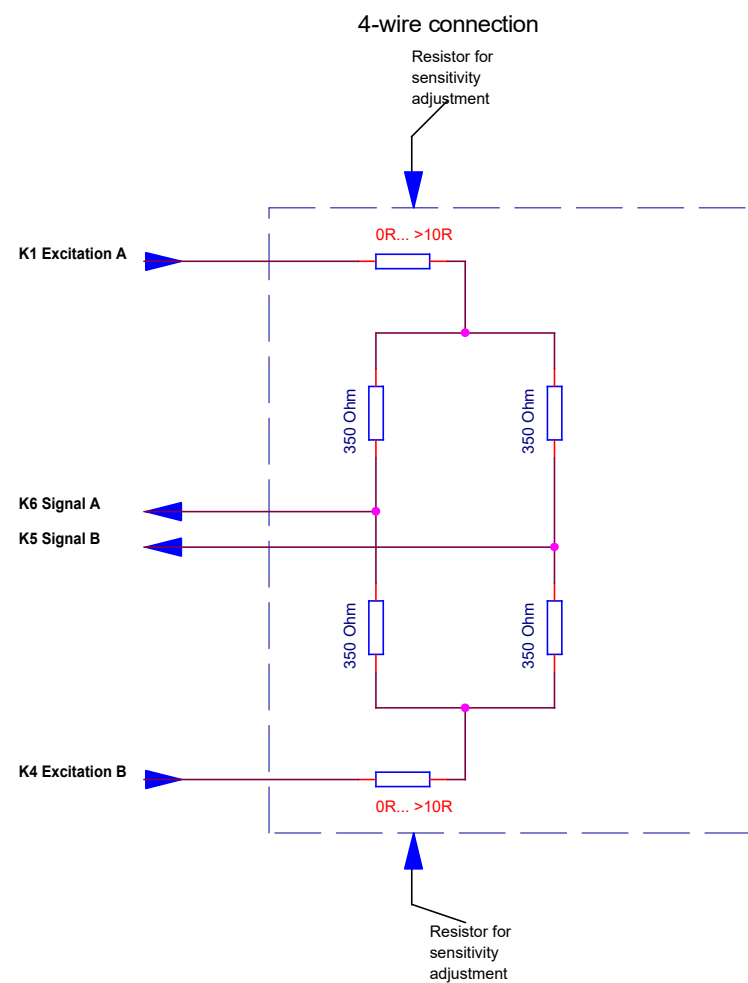
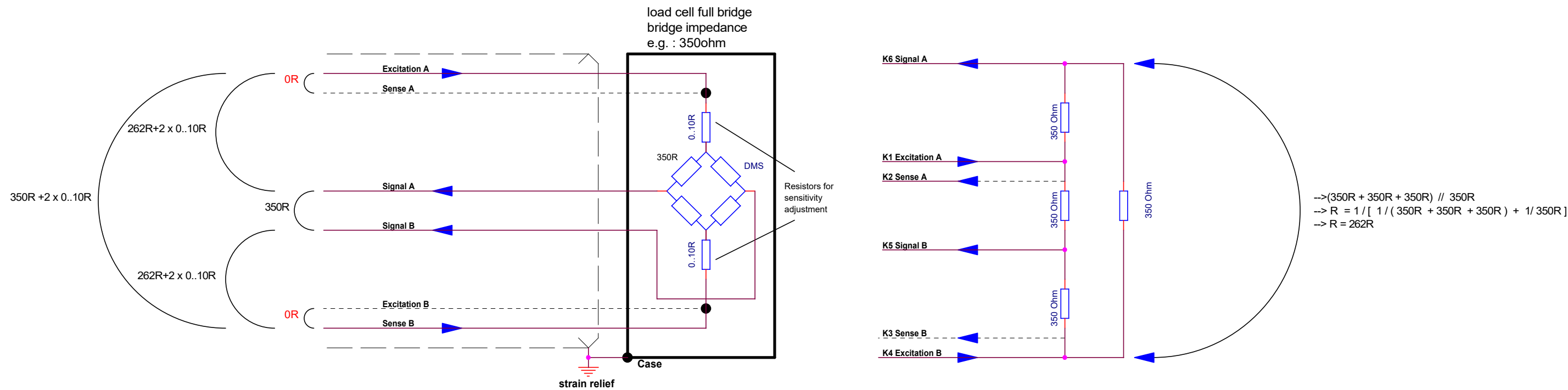
Please check the maximum excitation voltage of the strain gauge and set it in the "Sensor EEPROM" settings before connecting the strain gauge.

Please notice the adjustable excitation voltages:  
iDCA --> 10 V  
iCFA --> 1,25V or 10V

# Analog sensor plug SGS\_IEPE with acceleration sensor

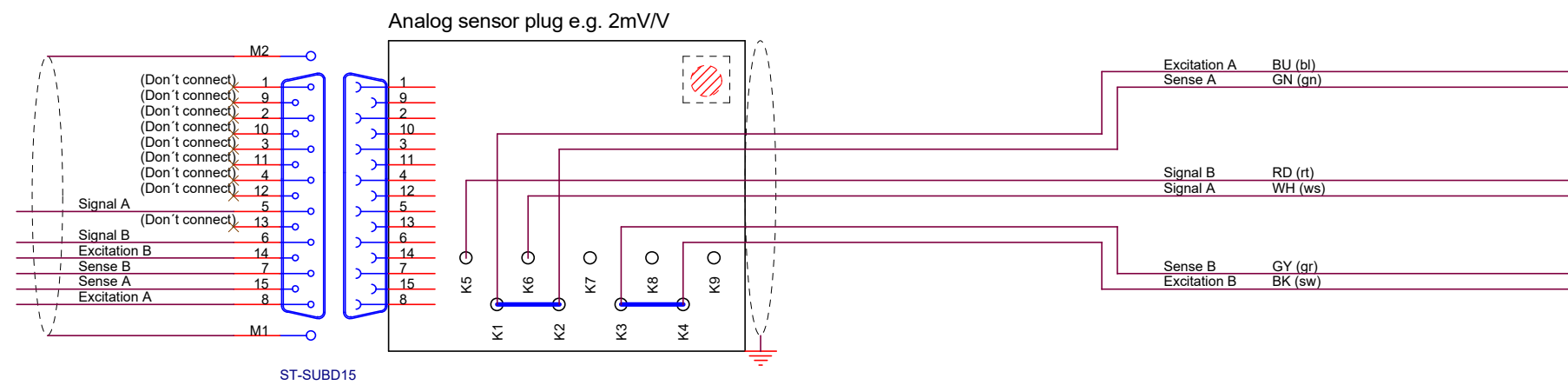


# Strain gauge bridge resistors



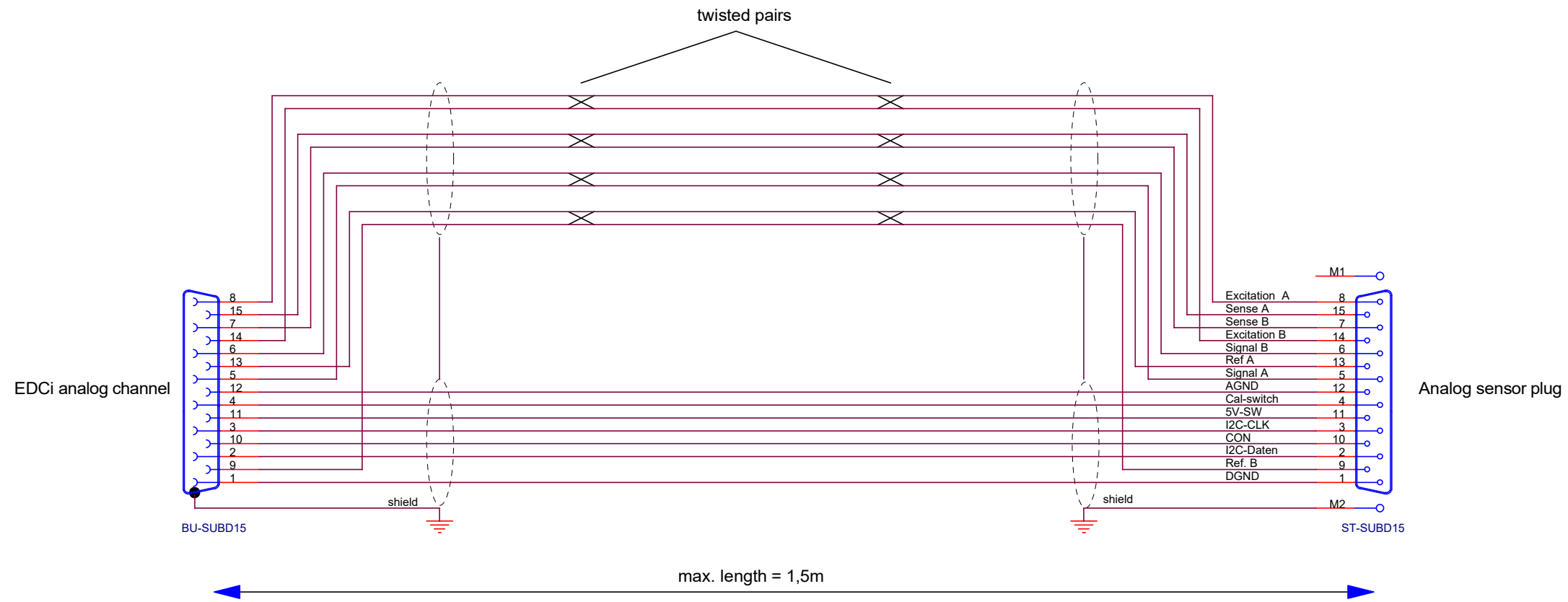
DOLI GmbH Rudolf-Diesel-Str.3 72525 Münsingen www.DOLI.de		
File: EDCi_Analog_Sensor_Schematic.DSN /GRS		
Title EDCi_Analog_Sensor_Schematic		
Size A3	Document Number 10_Strain_gauge_bridge	Rev 3.4
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# Analog sensor plug SGSa SubD pin arrangement



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File: EDCi_Analog_Sensor_Schematic.DSN /GRS		
Title EDCi_Analog_Sensor_Schematic		
Size A3	Document Number 11_Sensor_plug_pin_arrangement	Rev 3.4
Date: Wednesday, April 07, 2021	Sheet 11	of 13

# Analog sensor plug SGSa extension cord



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File: EDCi_Analog_Sensor_Schematic.DSN /ALF		
Title EDCi_Analog_Sensor_Schematic		
Size A3	Document Number 12_Sensor_plug_extension_cord	Rev 3.4
Date: Wednesday, April 07, 2021	Sheet 12 of 13	

# Analog sensor plug SGS\_6mV for Direct Current Potential Drop measurement (DCPD)

