

## DATA SHEET

# GEN series KAB2133

## D-Sub 9 Current Transducer connection cable

### SPECIAL FEATURES

- KAB2133 can be used with CT Interface Unit (CTPSIU-6-1U) and Current Remote Probe with built-in current transducer power supply (P212I-4 / P112I-4)
- Lengths of 0.5 m and 1 m, recommended for use between current transducers and Current Remote Probe with built-in power supply (P212I-4 / P112I-4)
- 9-pin D-Sub connectors
- Shielded



### KAB2133 FUNCTIONS AND BENEFITS

Shielded cables for connection between current transducer(s) and Current Remote Probe or CT Interface Unit.

The industry standard current transducer connection cable, KAB2133, is a shielded, low-ohmic 9-wire cable with D-Sub 9 connectors on both ends.

KAB2133 supports power, status, current output and calibration current input (CT Interface unit only).

It is recommended to use the 0.5 m and 1 m cable variants, with the Current Remote Probe with built-in current transducer power supply (P212I-4 / P112I-4). KAB2133-0.5/1 shall be used to directly connect the current transducers output (D-Sub 9) to the Current Remote Probe current input (D-Sub 9) (see Figure 1 on page 2).

All cable lengths can be used to connect the current transducer to the CT Interface unit (CTPSIU-6-1U).

KAB2133: Setup with P212I-4 / P112I-4

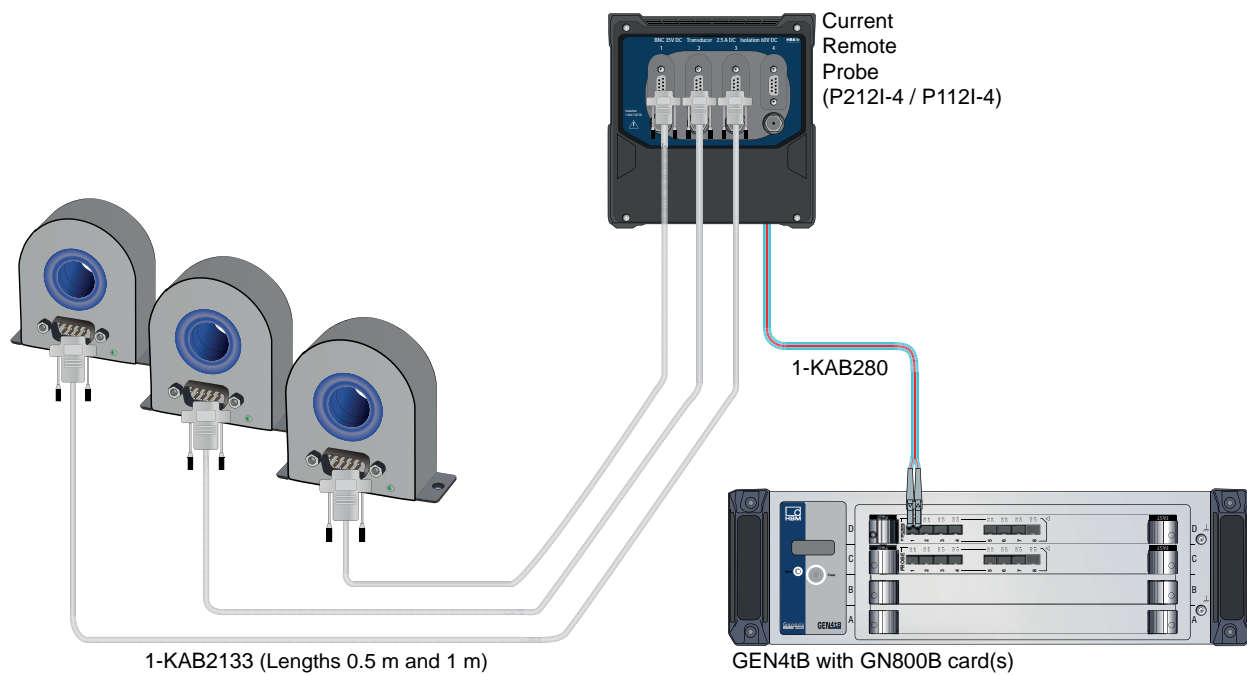


Figure 1: KAB2133 - Example setup with P212I-4 / P112I-4

KAB2133: Setup with current transducers and CT Interface unit

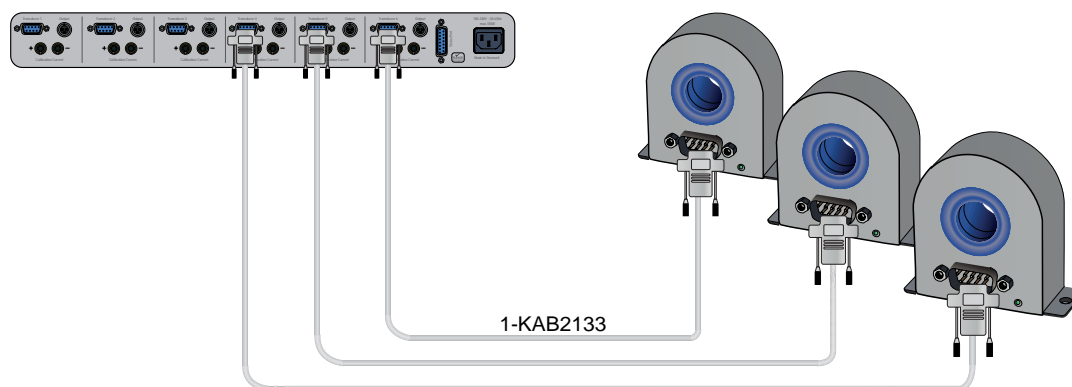
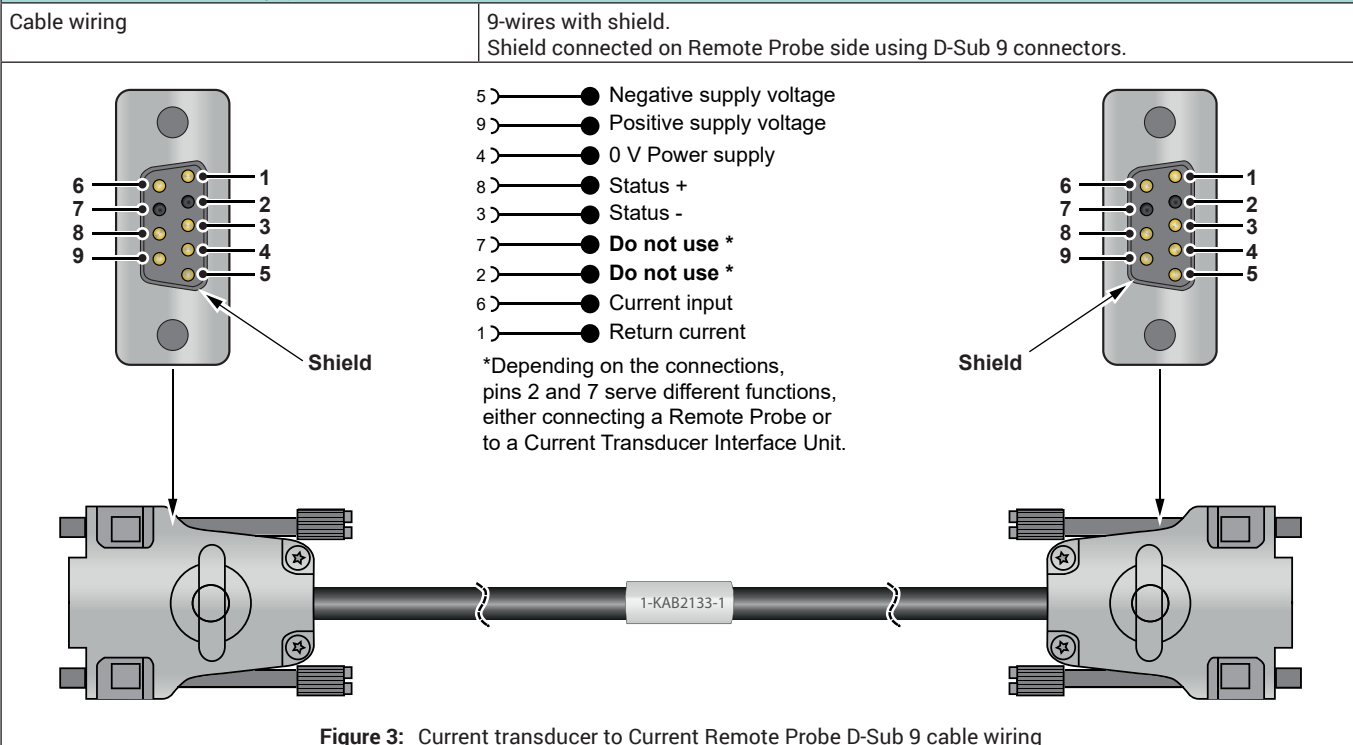


Figure 2: KAB2133 - Example setup

**KAB2133: D-Sub 9 Current Transducer Connection Cable**

KAB2133 can be used with CT Interface Unit (CTPSIU-6-1U) and Current Remote Probe with built-in current transducer power supply (P212I-4 / P112I-4).

The cables, with lengths of 0.5 m and 1 m, are specially designed to be used with Current Remote Probe with built-in current transducer power supply (P212I-4 / P112I-4).



**Figure 3:** Current transducer to Current Remote Probe D-Sub 9 cable wiring

Maximum current	3 A
<b>Wire</b>	
Type	PAAR-TRONIC-CY 5x2x0,5
Diameter	5 x 2 x 0.5 mm <sup>2</sup> (copper) 10 mm (with isolation)
Isolation	PP - Polypropylene
Wire resistance	~39 mΩ/m (11.9 mΩ/ft) nominal
Minimum bend radius	100 mm
Shielding	Bi-Laminate (Alum+Poly)
Cable jacket	PVC - Polyvinyl Chloride Self-extinguishing and flame retardant DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
<b>Capacitance</b>	
Wire to wire	10 pF + 100 pF/m (30 pF/ft) ±10%
Wire to shield	10 pF + 240 pF/m (73 pF/ft) ±10%
<b>Temperature range</b>	
Operational	-5 °C to +80 °C (23 °F to +176 °F)
Non-operational (storage)	-30 °C to +80 °C (-22 °F to +176 °F)

Physical, Weight and Dimensions

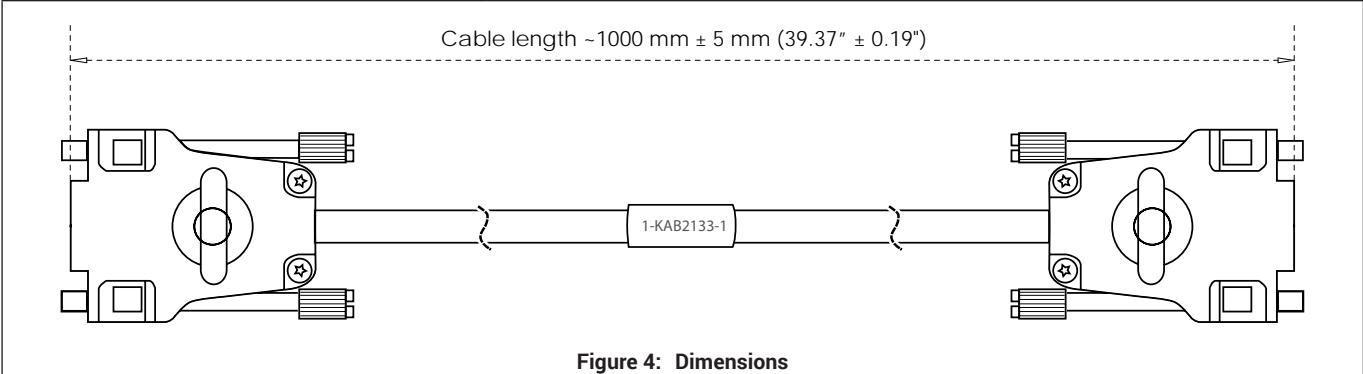



Figure 4: Dimensions

Weight	Approximately 0.5 m: 182 g (6.42 oz) (+ 140 g [4.94 oz] per extra meter)	
Outside cable diameter	Approximately 3.63 mm (0.14 inch)	
Lengths / Part numbers		
	Part number:	Length:
	1-KAB2133-0.5	~0.5 m (1.7 ft)
	1-KAB2133-1	~1.0 m (3.3 ft)
	1-KAB2133-2	~2.0 m (6.6 ft)
	1-KAB2133-5	~5.0 m (16.4 ft)
	1-KAB2133-10	~10 m (32.8 ft)
	1-KAB2133-15	~15 m (49.2 ft)

Ordering Information

Article		Description	Order No.
CT cables		Industry standard current transducer connection cable. Shielded, low ohmic 9 wire cable with D-Sub 9 connectors on both ends. Supports power, status, current output and calibration current input. Lengths: 0.5, 1, 2, 5, 10 and 15 m (1.65, 3.28, 6.56, 16.4, 32.8 and 49.2 ft)	1-KAB2133-0.5 1-KAB2133-1 1-KAB2133-2 1-KAB2133-5 1-KAB2133-10 1-KAB2133-15

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