

Load cell series SB 8

Force from 0 ... 10 kg up to 0 ... 500 kg

Features

- DMS strain-bridge (shear-beam device) for industrial applications
- Available as standard- or Ex-device
KEMA 02ATEX 1123X
Bridge resistance 375 Ω
- Output signal 2 mV/V, exact sensitivity on the type plate
- Accuracy 0.05 % (0.02 %)
- Repeatability ± 0.025 %
- Bridge supply max. 15 V DC,
- Zero unbalance <5 %
- Operating temperature max. -40 ... 60 °C
- Maximum overload 200 %
Breaking load 300 %
- Connection cable 3 m
- Material: stainless steel 1.4548
- Protection IP68



Ordering code: SB8 - 1. - 2. - 3. - 4.

1. Model

- 00 Standard, for applications in Non-Ex-area
- Ex Model acc. to KEMA 02ATEX 1123X

2. Model size

- 01 Nominal load 10 ... 250 kg
- 02 Nominal load 500 kg

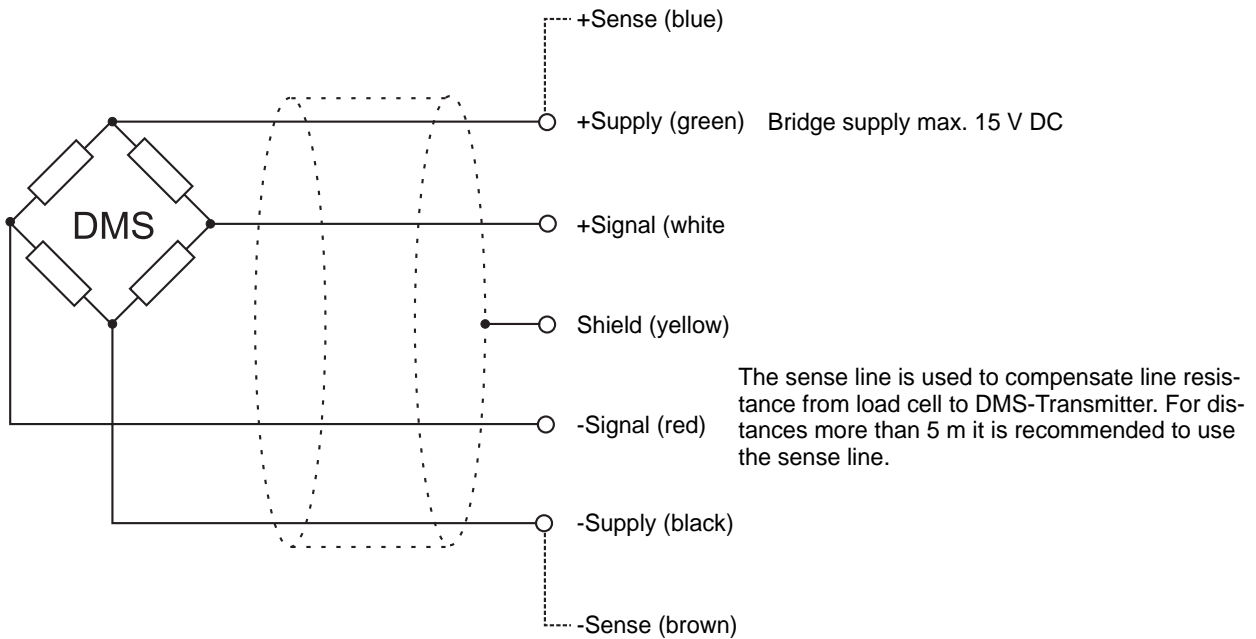
3. Nominal load

- 10 10 kg
- 20 20 kg
- 50 30 kg
- 100 40 kg
- 250 250 kg
- 500 500 kg

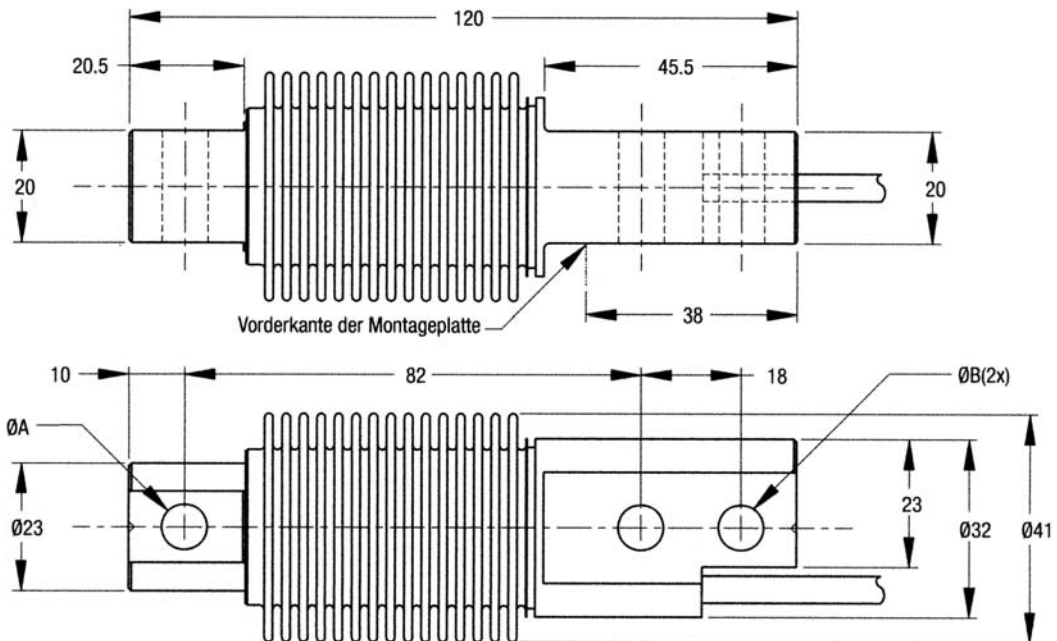
4. Options

- 00 without option
- 01 Accuracy 0.02 % (instead 0.05 %)

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Connection diagram



Dimensions



Dimensions [mm]

Model size	A	B	Mounting screws	Tightening torque*
01	8.2	8.2	M8 quality 8.8	25 Nm
02	10.5	8.2	M8 quality 10.9	35 Nm

* grease the screw thread