# SAUTER **CB 100-3Q1**

Bending beam and shear beam load cell made from stainless steel



**Date of creation: 24.10.2026**

| Category | |
|---|---|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load cell |
| Product family | CB Q1 |

| Measuring System | |
|---|---|
| Weighing capacity [Max] | 100 kg |
| Load cell - characteristic value - nominal | 2 mV/V |
| Load cell - characteristic value - variance | 0,002 mV/V |
| Load cell OIML class | C3 |
| Load cell connection | 4-wire |
| Power supply + Colour | green |
| Power supply - Colour | black |
| Signal + Colour | red |
| Signal - Colour | white |
| Load cell - Resolution (verifiable) | 3000 e |
| Load cell - Dead load [Min] (%) | 0% |
| Measuring applications | mass |
| Directions of force | compression |
| Load cell - Y-value | 10000 |
| Load sell - Input resistance - nominal | 400 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Input resistance - variance | 20 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Load cell - Recommended exitation voltage [Min] | 10 V |
| Load cell - Recommended exitation voltage [Max] | 15 V |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Combined error | 0,017% |
| Temperature coefficient - characteristic value | ± 0.003% Sn. /5 °C |
| Zero balance | ≤± 2.0%Sn |
| Temperature coefficient - zero signal | ± 0.01% Sn. /5 °C |
| Creep error (30 minutes) | <+-0. 008 Sn |
| Safe overload | 150% |
| Ultimate overload | 200% |

| Functions | |
|---|---|
| IP protection - complete device | IP68<br>IP69K |

| Construction | |
|---|---|
| Material | steel, stainless |
| Design | bending beam |
| Dimension (Ø×H) | 41,5×120 mm |
| Cable length | 3 m |
| Mounting - force application | Through-hole Ø 8,2 mm |
| Mounting - force dissipation | 2 × through hole Ø 8,2 mm |

| Environmental conditions | |
|---|---|
| Ambient temperature [Min] | -30 °C |
| Ambient temperature [Max] | 70 °C |
| Use temperature [Min] | -10 °C |
| Use temperature [Max] | 40 °C |

| Approval | |
|---|---|
| CE mark | ✓ |

| Services (optional) | |
|---|---|
| Article number for DAkkS calibration (compressive force) | 963-262V |

| Product information | |
|---|---|
| GTIN/EAN number | 4045761220676 |
| Trade number | 84239010 |
| Warranty Time | 24 mon |
| REACH classification | no prohibited substances |

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## Packing & Shipping

| | |
|---|---|
| Shipping method | Parcel service |
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 250×155×60 mm |
| Net weight approx. | 0,50 kg |
| Gross weight approx. | 0,55 kg |
| Shipping volume weight | 0,5 kg |

## Pictograms

### STANDARD




### OPTION

