

# KERN CB 100-3Q1

**KERN**

Bending beam and shear beam load cell made from stainless steel



## Construction

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

## Functions

IP protection - complete device	IP68 IP69K
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## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	250×155×60 mm
Net weight	0,5 kg
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	0,55 kg
Shipping weight	0,545 kg

## Services (optional)

Article number for DAkkS calibration (compressive force)	963-262V
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## Pictograms

### STANDARD



### OPTION



## Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CB Q1

## Measuring System

Weighing capacity [Max]	100 kg
Load cell connection	4-wire
Load cell OIML class	C3
Load cell - Resolution (verifiable)	3000 e
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,002 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,017%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	400 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Recommended excitation voltage [Min]	10 V
Load cell - Recommended excitation voltage [Max]	15 V
Load cell - Input resistance - variance	20 Ω
Load cell - Output resistance - variance	3 Ω
Directions of force	compression

## Approval

CE mark	✓
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