

KERN CB 500-3Q1

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 |
|---------------------------------|---------------|

Environmental conditions

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

Packing & Shipping

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|------------------------------|----------------|
| 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. | 0,60 kg |
| Shipping weight | 0,571 kg |

Services (optional)

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| Article number for DAkkS calibration (compressive force) | 963-263V |
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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] | 500 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

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