

KERN CP 50-3P7

KERN

Single-Point load cell made from stainless steel



Construction

| | |
|------------------------------|-----------------------|
| Design | Singlepoint load cell |
| Dimension (W×D×H) | 150×25,4×40 mm |
| Material | Stainless steel |
| Cable length | 1 m |
| Mounting - force application | 2 × threaded hole M6 |
| Mounting - force dissipation | 2 × threaded hole M6 |

Functions

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|---------------------------------|------|
| IP protection - complete device | IP67 |
|---------------------------------|------|

Environmental conditions

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|---------------------------|--------|
| Use temperature [Min] | -10 °C |
| Use temperature [Max] | 40 °C |
| Ambient temperature [Min] | -35 °C |
| Ambient temperature [Max] | 65 °C |
| Storage temperature [Min] | -40 °C |
| Storage temperature [Max] | 70 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 235×115×45 mm |
| Net weight | 0,983 kg |
| Shipping method | Parcel service |
| Net weight approx. | 1,00 kg |
| Gross weight approx. | 1,2 kg |
| Shipping weight | 1,05 kg |

Services (optional)

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| Article number for DAkkS calibration (compressive force) | 963-261V |
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Pictograms

STANDARD



OPTION



Category

| | |
|------------------|----------------|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load cell |
| Product family | CP P7 |

Measuring System

| | |
|--|-------------|
| Weighing capacity [Max] | 50 kg |
| Load cell connection | 6-wire |
| Load cell OIML class | C3 |
| Load cell - Resolution (verifiable) | 3000 e |
| Maximum platform size | 400×400 mm |
| Load cell - characteristic value - nominal | 2 mV/V |
| Load cell - characteristic value - variance | 0,2 mV/V |
| Load cell - Y-value | 12000 |
| Load cell - Combined error | 0,023% |
| Load cell - Dead load [Min] (%) | 0% |
| Measuring applications | mass |
| Load cell - Input resistance - nominal | 384 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Recommended excitation voltage [Min] | 5 V |
| Load cell - Recommended excitation voltage [Max] | 12 V |
| Load cell - Input resistance - variance | 4 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Directions of force | compression |

Approval

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