

SAUTER CT 500-3P1

KERN

Shear beam made from stainless steel



| | |
|------------------------------|----------------------------|
| Dimension (W×D×H) | 130×34×31,8 mm |
| Material | steel, nickel-plated |
| Cable length | 4 m |
| Mounting - force dissipation | 2 × through hole Ø 13,5 mm |
| Mounting - force application | Threaded hole M12 |

Functions

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

Environmental conditions

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|---------------------------|--------|
| Ambient temperature [Min] | -35 °C |
| Ambient temperature [Max] | 65 °C |
| Use temperature [Min] | -10 °C |
| Use temperature [Max] | 40 °C |
| Storage temperature [Min] | -40 °C |
| Storage temperature [Max] | 80 °C |

Approval

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

Services (optional)

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|--|----------|
| Article number for DAkkS calibration (compressive force) | 963-263V |
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Packing & Shipping

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|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 225×115×45 mm |
| Shipping method | Parcel service |
| Net weight approx. | 0,95 kg |
| Gross weight approx. | 1,00 kg |
| Shipping weight | 0,97 kg |

Pictograms

STANDARD



OPTION



Category

| | |
|------------------|----------------|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load cell |
| Product family | CT P1 |

Measuring System

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|--|-------------|
| Weighing capacity [Max] | 500 kg |
| Directions of force | compression |
| Load cell connection | 4-wire |
| Load cell OIML class | C3 |
| Load cell - Resolution (verifiable) | 3000 e |
| Load cell - characteristic value - nominal | 3 mV/V |
| Load cell - characteristic value - variance | 0,003 mV/V |
| Load cell - Y-value | 10000 |
| Load cell - Combined error | 0,023% |
| Load cell - Dead load [Min] (%) | 0% |
| Measuring applications | mass |
| Load cell - Input resistance - nominal | 350 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 | 3,5 Ω |
| Load cell - Output resistance - variance | 3,5 Ω |

Construction

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|--------|---------------------------|
| Design | Shear beam measuring cell |
|--------|---------------------------|