

KERN CD 40-3P1

Loadcell made of stainless steel



Category

| | |
|------------------|---------------------------|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load/force measuring cell |
| Product family | CD P1 |

Measuring System

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|--|-----------------|
| Weighing capacity [Max] | 40000 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 | 0,023% |
| Load cell - Dead load [Min] (%) | 0% |
| Measuring applications | force mass |
| Load cell - Input resistance - nominal | 700 Ω |
| Load cell - Output resistance - nominal | 703 Ω |
| Load cell - Isolation resistance - [Min] | 5000 M Ω |
| Load cell - Recommended excitation voltage [Min] | 5 V |
| Load cell - Recommended excitation voltage [Max] | 12 V |
| Load cell - Input resistance - variance | 7 Ω |

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|--|-------------|
| Load cell - Output resistance - variance | 4 Ω |
| Measuring range force [Max] (N) | 400 kN |
| Directions of force | compression |

Approval

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

Construction

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|------------------------------|-----------------|
| Design | Load cell |
| Material | stainless steel |
| Cable length | 15 m |
| Mounting - force application | Pressure piece |
| Mounting - force dissipation | Pressure piece |

Functions

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|---------------------------------|------|
| IP protection - complete device | IP68 |
|---------------------------------|------|

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) | 2 d |
| Dimensions packaging (W×D×H) | 215×220×160 mm |
| Net weight | 2,706 kg |
| Shipping method | Parcel service |
| Net weight approx. | 2,8 kg |
| Gross weight approx. | 3,2 kg |
| Shipping weight | 3,2 kg |

Pictograms

STANDARD

