

KERN CS 500-3Q1



6-wire "S" measuring cell made of nickel-plated steel for force and mass measurement



| | |
|--|------------------------|
| Load cell - Output resistance - variance | 3 Ω |
| Measuring range force [Max] (N) | 5 kN |
| Directions of force | tension compression |

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

| Construction | |
|------------------------------|----------------------|
| Design | "S" shaped cell |
| Dimension (W×D×H) | 80×62,1×19 mm |
| Material | steel, nickel-plated |
| Cable length | 5 m |
| Mounting - force application | Threaded hole M12 |
| Mounting - force dissipation | Threaded hole M12 |

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

| Environmental conditions | |
|---------------------------|--------|
| Ambient temperature [Min] | -10 °C |
| Ambient temperature [Max] | 40 °C |
| Storage temperature [Min] | -30 °C |
| Storage temperature [Max] | 70 °C |

| Packing & Shipping | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 250×155×60 mm |
| Net weight | 0,78 kg |
| Shipping method | Parcel service |
| Net weight approx. | 0,80 kg |
| Gross weight approx. | 0,95 kg |
| Shipping weight | 0,921 kg |

| Services (optional) | |
|---|----------|
| Article number for DAkkS calibration (tensile force) | 963-163V |
| Article number for DAkkS calibration (compressive force) | 963-263V |
| Article number for DAkkS calibration (tensile force/ compressive force) | 963-363V |

Category

| | |
|------------------|---------------------------|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load/force measuring cell |
| Product family | CS Q1 |

Measuring System

| | |
|--|-----------------|
| Weighing capacity [Max] | 500 kg |
| Load cell connection | 6-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 | force mass |
| Load cell - Input resistance - nominal | 400 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Isolation resistance - [Min] | 5000 M Ω |
| Load cell - Recommended excitation voltage [Min] | 10 V |
| Load cell - Recommended excitation voltage [Max] | 15 V |
| Load cell - Input resistance - variance | 20 Ω |

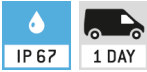
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Pictograms

STANDARD



OPTION

