

SAUTER CS 1000-3Q1

KERN

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



Load cell - Recommended excitation voltage [Max] 15 V

Load cell - Input resistance - variance 20 Ω

Load cell - Output resistance - variance 3 Ω

Construction

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

Approval

CE mark ✓

Services (optional)

Article number for factory calibration (tensile force) 961-164V
Article number for factory calibration (tensile force/ compressive force) 961-364V

Packing & Shipping

Delivery time 1 d
Dimensions packaging (W×D×H) 250×155×60 mm
Shipping method Parcel service
Net weight approx. 0,80 kg
Gross weight approx. 1,00 kg
Shipping weight 0,966 kg

Category

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

Measuring System

Weighing capacity [Max] 1000 kg
Measuring range force [Max] (N) 10 kN
Directions of force tension
compression
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

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Pictograms

STANDARD



OPTION

