

SAUTER CS 100-3Q1

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 DAkkS calibration (tensile force) 963-162V

Article number for DAkkS calibration (compressive force) 963-262V

Article number for DAkkS calibration (tensile force/ compressive force) 963-362V

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. 0,90 kg

Shipping weight 0,895 kg

Category

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

Measuring System

Weighing capacity [Max]	100 kg
Measuring range force [Max] (N)	1 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

