

KERN CS 3000-3Q1

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 (WxDxH)	120x100x45 mm
Material	steel, nickel-plated
Cable length	5 m
Mounting - force dissipation	Threaded hole M24 x 2
Mounting - force application	Threaded hole M24 x 2

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)	961-165V
Article number for factory calibration (compressive force)	961-265V
Article number for factory calibration (tensile force/ compressive force)	961-365V

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (WxDxH)	220x135x100 mm
Net weight	3,3 kg
Shipping method	Parcel service
Net weight approx.	3,4 kg
Gross weight approx.	3,6 kg
Shipping weight	3,471 kg

Category

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

Measuring System

Weighing capacity [Max]	3000 kg
Measuring range force [Max] (N)	30 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

