

KERN CS 2000-3P1

KERN

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



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CS P1

Measuring System

Weighing capacity [Max]	2000 kg
Measuring range force [Max] (N)	20 kN
Directions of force	tension compression
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 - Y-value	10000
Load cell - Combined error	0,02%
Measuring applications	force mass
Load cell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	351 Ω
Load cell - Isolation resistance - [Min]	500 MΩ

Construction

Design	"S" shaped cell
Dimension (W×D×H)	76,2×101,6×27,2 mm
Material	steel, nickel-plated
Cable length	6 m

Mounting - force dissipation	Threaded hole M20 × 1,5
Mounting - force application	Threaded hole M20 × 1,5

Functions

IP protection - complete device	IP67
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Environmental conditions

Ambient temperature [Min]	-35 °C
Ambient temperature [Max]	65 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Storage temperature [Min]	-40 °C
Storage temperature [Max]	70 °C

Approval

CE mark	✓
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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)	200×170×60 mm
Net weight	1,3 kg
Shipping method	Parcel service
Net weight approx.	1,4 kg
Gross weight approx.	1,6 kg
Shipping weight	1,41 kg

Pictograms

STANDARD



OPTION

