

KERN CT 500-3P2

KERN

Shear beam made from stainless steel



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CT P2

Measuring System

Weighing capacity [Max]	500 kg
Load cell connection	4-wire
Load cell OIML class	C3
Load cell - Resolution (verifiable)	3000 e
Load cell - characteristic value - nominal	3 mV/V
Load cell - characteristic value - variance	0,003 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,023%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Input resistance - variance	3,5 Ω
Load cell - Output resistance - variance	3,5 Ω
Directions of force	compression

Approval

CE mark	✓
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Construction

Design	Shear beam measuring cell
Dimension (W×D×H)	130×34×31,8 mm
Material	steel, nickel-plated
Cable length	4 m
Mounting - force application	Threaded hole M12
Mounting - force dissipation	2 × through hole Ø 13,5 mm

Functions

IP protection - complete device	IP67
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Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-35 °C
Ambient temperature [Max]	65 °C
Storage temperature [Min]	-40 °C
Storage temperature [Max]	80 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	225×115×45 mm
Net weight	0,908 kg
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,00 kg
Shipping weight	0,97 kg

Pictograms

STANDARD



OPTION

