

SAUTER CT 500-3Q1

Shear beam made from stainless steel

KERN

Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CT Q1

Measuring System

Weighing capacity [Max]	500 kg
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,001 mV/V
Load cell OIML class	C3
Load cell connection	6-wire
Power supply + Colour	green
Power supply - Colour	black
Signal + Colour	red
Signal - Colour	white
Sense + Colour	blue
Sense - Colour	yellow
Load cell - Resolution (verifiable)	3000 e
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Directions of force	compression
Load cell - Y-value	10000
Load cell - Input resistance - nominal	400 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	20 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended excitation voltage [Min]	10 V
Load cell - Recommended excitation voltage [Max]	15 V

Load cell - Isolation resistance - [Min]	5000 M Ω
Load cell - Combined error	0,017%
Temperature coefficient - characteristic value	$\leq \pm 0.006\% \text{Sn} / 5^\circ \text{C}$
Zero balance	$\pm 2.0\% \text{Sn}$
Temperature coefficient - zero signal	$\leq \pm 0.01\% \text{Sn} / 5^\circ \text{C}$
Creep error (30 minutes)	$\leq \pm 0.016\% \text{Sn}$
Safe overload	150%
Ultimate overload	200%

Functions

IP protection - complete device	IP68 IP69K
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Construction

Material	steel, stainless
Design	Shear beam measuring cell
Dimension (W×D×H)	130×31,5×31,5 mm
Cable length	5 m
Mounting - force application	Threaded hole M12
Mounting - force dissipation	2 × through hole $\varnothing$ 13,5 mm

Environmental conditions

Ambient temperature [Min]	-30 $^\circ \text{C}$
Ambient temperature [Max]	70 $^\circ \text{C}$
Use temperature [Min]	-10 $^\circ \text{C}$
Use temperature [Max]	40 $^\circ \text{C}$

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration (compressive force)	963-263V
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Product information

GTIN/EAN number	4045761222229
Trade number	84239010
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d

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Dimensions packaging (W×D×H) 250×155×60 mm

Net weight approx. 1,00 kg

Gross weight approx. 1,2 kg

Shipping volume weight 0,5 kg

Pictograms

STANDARD



OPTION

