SAUTER **CT 500-3P1**

Shear beam made from nickel-plated steel



Date of creation: 24.10.2026

Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CT P1

Measuring System

Weighing capacity [Max]	500 kg
Load cell - characteristic value - nominal	3 mV/V
Load cell - characteristic value - variance	0,003 mV/V
Load cell OIML class	C3
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
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 sell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	3,5 Ω
Load cell - Output resistance - variance	3,5 Ω
Load cell - Recommended exitation voltage [Min]	5 V
Load cell - Recommended exitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,023%
Zero balance	± 1.0%FS
Safe overload	150%
Ultimate overload	300%

Functions

IP protection - complete device	IP67

Construction

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

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]	80 °C

Approval

CE mark	✓

Services (optional)

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

Product information

GTIN/EAN number	4045761221666
Trade number	84239010
Warranty Time	24 mon
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	225×115×45 mm

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Net weight approx.	0,95 kg
Gross weight approx.	1,00 kg
Shipping volume weight	0,2 kg

Pictograms

STANDARD



OPTION

