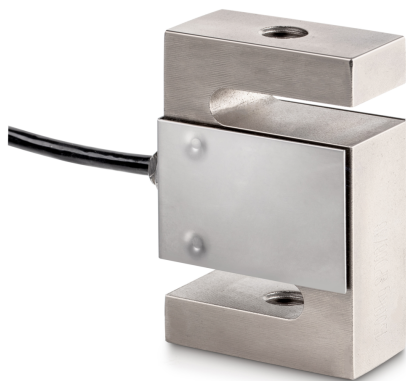


SAUTER CS 250-3P1

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]	250 kg
Measuring range force [Max] (N)	2,5 kN
Load cell - characteristic value - nominal	2 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
Measuring applications	force mass

Directions of force
tension
compression

Load cell - Y-value
10000

Load cell - Input resistance - nominal
350 Ω

Load cell - Input resistance - variance
351 Ω

Load cell - Recommended excitation voltage [Min]
5 V

Load cell - Recommended excitation voltage [Max]
12 V

Load cell - Isolation resistance - [Min]
500 M Ω

Load cell - Combined error
0,02%

Safe overload
150%

Ultimate overload
300%

Functions

IP protection - complete device
IP67

Construction

Material	steel, nickel-plated
Design	"S" shaped cell
Dimension (W×D×H)	50,8×76,2×20,8 mm
Cable length	3 m
Mounting - force application	Threaded hole M12
Mounting - force dissipation	Threaded hole M12

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
✓

Services (optional)

Article number for DAkKS calibration (compressive force)	963-263V
Article number for DAkKS calibration (tensile force)	963-163V
Article number for DAkKS calibration (tensile force/ compressive force)	963-363V

Product information

GTIN/EAN number	4045761221529
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	185×155×60 mm
Net weight approx.	0,55 kg
Gross weight approx.	0,65 kg

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

Shipping weight

0,61 kg

Pictograms

STANDARD



OPTION

