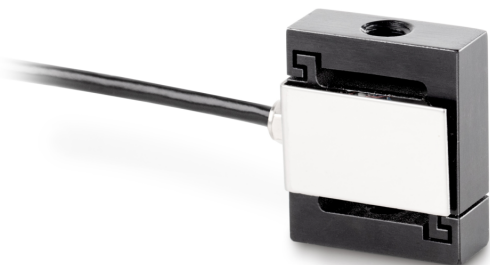


SAUTER CS 1-Y1

KERN

Miniature "S"-load/force measuring cell made of stainless steel



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CS Y1

Measuring System

Weighing capacity [Max]	1 kg
Measuring range force [Max] (N)	10 N
Load cell - characteristic value - nominal	2 mV/V
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Measuring applications	force mass
Directions of force	tension compression
Load cell - Input resistance - nominal	385 Ω
Load cell - Input resistance - variance	3 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	2000 M Ω
Load cell - Combined error	0,1%

Temperature coefficient - characteristic value	$\leq \pm 0.05\%FS/10\text{ }^{\circ}C$
Zero balance	$\leq \pm 2.0\%FS$
Temperature coefficient - zero signal	$\leq \pm 0.05\%FS/10\text{ }^{\circ}C$
Creep error (30 minutes)	$\pm 0.05\%FS$
Safe overload	150%
Ultimate overload	300%

Functions

IP protection - complete device	IP65
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Construction

Material	steel, stainless
Design	"S" shaped cell
Cable length	2 m
Mounting - force application	Threaded hole M3
Mounting - force dissipation	Threaded hole M3

Environmental conditions

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

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration (compressive force)	963-261V
Article number for DAkkS calibration (tensile force)	963-161V
Article number for DAkkS calibration (tensile force/ compressive force)	963-361V

Product information

GTIN/EAN number	4045761233096
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	150×105×40 mm
Net weight approx.	0,05 kg
Gross weight approx.	0,10 kg
Shipping weight	0,1 kg

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Pictograms

STANDARD



OPTION

