SAUTER **CS 1-Y1**

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 sell - Input resistance - nominal	385 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	3 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended exitation voltage [Min]	5 V
Load cell - Recommended exitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	2000 MΩ
Load cell - Combined error	0,1%
Temperature coefficient - characteristic value	≤± 0.05%FS/10 °C
Zero balance	≤± 2.0%FS
Temperature coefficient - zero signal	≤± 0.05%FS/10 °C
Creep error (30 minutes)	± 0.05 %FS
Safe overload	150%
Ultimate overload	300%

Functions	
IP protection - complete device	IP65

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 °C
Use temperature [Max]	70 °C

Approval	
CE mark	✓

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
Trade number	90249000
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 volume weight	0,1 kg

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Pictograms

STANDARD



OPTION

