SAUTER **CO 50-Y1**

Miniature cylindrical load cell made from stainless steel



Date of creation: 24.10.2026

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

Measuring System	
Weighing capacity [Max]	50 kg
Measuring range force [Max] (N)	500 N
Load cell - characteristic value - nominal	1,5 mV/V
Load cell OIML class	G5
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	compression
Load sell - Input resistance - nominal	350 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 exitation voltage [Min]	9 V
Load cell - Recommended exitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,5%
Temperature coefficient - characteristic value	± 0.05% F.S. / 10 °C
Zero balance	± 1~1.5mV/V
Temperature coefficient - zero signal	± 0.05% F.S. / 10 °C
Creep error (30 minutes)	+- 0.05 %FS
Safe overload	150%
Ultimate overload	200%

Functions	
IP protection - complete device	IP65

Construction	
Material	steel, stainless
Design	Load cell
Dimension (Ø×H)	20×12 mm
Cable length	2 m
Mounting - force application	Thrust piece (from customer side)
Mounting - force dissipation	3 × threaded hole M3

Environmental conditions	
Use temperature [Min]	0 °C
Use temperature [Max]	40 °C

Approval	
CE mark	✓

Services (optional)	
Article number for DAkkS calibration (compressive force)	963-261V

Product information	
GTIN/EAN number	4045761233065
Trade number	90249000
Warranty Time	24 mon
REACH classification	no prohibited substances

Packing & Shipping	
Shipping method	Parcel service

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Delivery time	1 d
Dimensions packaging (W×D×H)	120×90×85 mm
Net weight approx.	0,05 kg
Gross weight approx.	0,10 kg
Shipping volume weight	0,2 kg

Pictograms

STANDARD



OPTION

