SAUTER **CO 1-Y5**

Tension and compression force measuring cell made from stainless steel

Date of creation: 10.08.2026

Category	
Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CO Y5

Measuring System	
Weighing capacity [Max]	1 kg
Measuring range force [Max] (N)	10 N
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	1 mV/V
Load cell OIML class	G1
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	680 Ω
Load cell - Output resistance - nominal	680 Ω
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	10 Ω
Load cell - Recommended exitation voltage [Min]	10 V
Load cell - Recommended exitation voltage [Max]	15 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,1%
Temperature coefficient - characteristic value	± 0.05% F.S. /10 °C
Temperature coefficient - zero signal	± 0.05% F.S. /10 °C
Safe overload	200%
Ultimate overload	500%

Functions	
IP protection - complete device	IP66

Construction	
Material	steel, stainless
Design	round
Cable length	2 m
Mounting - force application	2 × threaded hole M2
Mounting - force dissipation	2 × threaded hole M2

Environmental conditions	
Ambient temperature [Min]	-20 °C
Ambient temperature [Max]	80 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	60 °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	
Warranty Time	24 mon
Trade number	90249000
GTIN/EAN number	4045761250345

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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

Pictograms

STANDARD

OPTION