SAUTER **CK 30-Y1**

Flat miniature alloy steel load cell

Date of creation: 27.07.2026

Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CK Y1

Measuring System

Weighing capacity [Max]	30 kg
Load cell - characteristic value - nominal	1,6 mV/V
Load cell - characteristic value - variance	0,15 mV/V
Load cell OIML class	C1
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Directions of force	compression
Load sell - Input resistance - nominal	1000 Ω
Load cell - Output resistance - nominal	1000 Ω
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	10 Ω
Load cell - Recommended exitation voltage [Min]	3 V
Load cell - Recommended exitation voltage [Max]	10 V
Load cell - Isolation resistance - [Min]	2000 MΩ
Load cell - Combined error	0,05%
Temperature coefficient - characteristic value	± 0.1% F.S. / 10 °C
Zero balance	± 0,3mV/V
Temperature coefficient - zero signal	± 0.1% F.S. / 10 °C
Creep error (30 minutes)	± 0.05% F.S.
Safe overload	120%
Ultimate overload	150%

Functions

IP protection - complete device	IP66

Construction

Material	steel, galvanized
Design	Miniature bending beam
Dimension (W×D×H)	34×34×4,5 mm
Cable length	0,45 m
Mounting - force application	Hole Ø 5 mm
Mounting - force dissipation	4 × through hole Ø 3,1 mm

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	60 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

Product information

Warranty Time	24 mon
Trade number	84239010
GTIN/EAN number	4045761246379

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	90×90×20 mm
Net weight approx.	0,10 kg
Gross weight approx.	0,10 kg
Shipping volume weight	0,1 kg

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Pictograms

STANDARD