

KERN CK 30-Y1

KERN

Flat miniature alloy steel load cell



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

Functions

IP protection - complete device	IP66
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Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	60 °C
Ambient temperature [Min]	-20 °C
Ambient temperature [Max]	50 °C
Storage temperature [Min]	-30 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	90×90×20 mm
Net weight	0,06 kg
Shipping method	Parcel service
Net weight approx.	0,10 kg
Gross weight approx.	0,10 kg
Shipping weight	0,1 kg

Services (optional)

Article number for DAkKS calibration (compressive force)	963-261V
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Pictograms

STANDARD



Category

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

Measuring System

Weighing capacity [Max]	30 kg
Load cell connection	4-wire
Load cell OIML class	C1
Load cell - characteristic value - nominal	1,5 mV/V
Load cell - characteristic value - variance	0,2 mV/V
Load cell - Combined error	0,05%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	1000 Ω
Load cell - Output resistance - nominal	1000 Ω
Load cell - Isolation resistance - [Min]	2000 MΩ
Load cell - Recommended excitation voltage [Min]	3 V
Load cell - Recommended excitation voltage [Max]	10 V
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	10 Ω
Directions of force	compression

Approval

CE mark	✓
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Construction

Design	Miniature bending beam
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