

# KERN CK 500-0P4

# KERN

Miniature load cell made of aluminium



## Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CK P4

## Measuring System

Weighing capacity [Max]	500 g
Load cell connection	4-wire
Load cell OIML class	C1
Load cell - characteristic value - nominal	0,9 mV/V
Load cell - characteristic value - variance	0,18 mV/V
Load cell - Combined error	0,05%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	1055 $\Omega$
Load cell - Output resistance - nominal	1000 $\Omega$
Load cell - Isolation resistance - [Min]	2000 M $\Omega$
Load cell - Recommended excitation voltage [Min]	2 V
Load cell - Recommended excitation voltage [Max]	5 V
Load cell - Input resistance - variance	10 $\Omega$
Load cell - Output resistance - variance	10 $\Omega$
Directions of force	compression

## Approval

CE mark	✓
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## Construction

Design	Miniature bending beam
Dimension (W×D×H)	47×20×6,6 mm
Material	aluminium
Cable length	0,25 m
Mounting - force application	2 × through hole $\varnothing$ 3,0 mm
Mounting - force dissipation	2 × threaded hole M3

## Functions

IP protection - complete device	IP65
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## Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	65 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	145×60×35 mm
Net weight	0,01 kg
Shipping method	Parcel service
Net weight approx.	0,05 kg
Gross weight approx.	0,40 kg
Shipping weight	0,37 kg

## Services (optional)

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

### STANDARD



### OPTION

