

# KERN CR 500-1Y1

Load cell made of alloyed steel

# KERN



## Construction

Design	Load cell
Material	steel
Cable length	3 m
Dimension (Ø×H)	105×37 mm
Mounting - force application	Pressure piece Threaded hole M16 × 1,5
Mounting - force dissipation	8 × through hole Ø 6,5 mm

## Functions

IP protection - complete device	IP68
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## Environmental conditions

Use temperature [Min]	-20 °C
Use temperature [Max]	65 °C

## Packing & Shipping

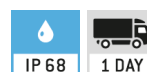
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	200×165×135 mm
Net weight	1,7 kg
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,0 kg
Shipping weight	1,835 kg

## Services (optional)

Article number for DAkkS calibration (tensile force)	963-163V
Article number for DAkkS calibration (compressive force)	963-263V
Article number for DAkkS calibration (tensile force/ compressive force)	963-363V

## Pictograms

### STANDARD



### OPTION



## Category

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

## Measuring System

Weighing capacity [Max]	500 kg
Load cell connection	4-wire
Load cell OIML class	C1
Load cell - characteristic value - nominal	2 mV/V
Load cell - Combined error	0,05%
Measuring applications	force mass
Load cell - Input resistance - nominal	380 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	10 V
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	3 Ω
Measuring range force [Max] (N)	5 kN
Directions of force	tension compression

## Approval

CE mark	✓
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