

KERN CR 5000-1Y1

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

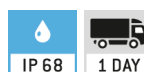
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	200×165×135 mm
Net weight	1,7 kg
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,0 kg
Shipping weight	1,835 kg

Services (optional)

Article number for factory calibration (tensile force)	961-165V
Article number for factory calibration (compressive force)	961-265V
Article number for factory calibration (tensile force/ compressive force)	961-365V

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]	5000 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)	50 kN
Directions of force	tension compression

Approval

CE mark	✓
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