

KERN CB 50-3Q1

KERN

Bending beam and shear beam load cell made from stainless steel



Construction

Design	bending beam
Material	stainless steel
Cable length	3 m
Dimension (Ø×H)	41,5×120 mm
Mounting - force application	Through-hole Ø 8,2 mm
Mounting - force dissipation	2 × through hole Ø 8,2 mm

Functions

IP protection - complete device	IP68 IP69K
---------------------------------	---------------

Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-30 °C
Ambient temperature [Max]	70 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	250×155×60 mm
Net weight	0,5 kg
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	0,55 kg
Shipping weight	0,539 kg

Services (optional)

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

Pictograms

STANDARD



OPTION



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CB Q1

Measuring System

Weighing capacity [Max]	50 kg
Load cell connection	4-wire
Load cell OIML class	C3
Load cell - Resolution (verifiable)	3000 e
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,002 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,017%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	400 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Recommended excitation voltage [Min]	10 V
Load cell - Recommended excitation voltage [Max]	15 V
Load cell - Input resistance - variance	20 Ω
Load cell - Output resistance - variance	3 Ω
Directions of force	compression

Approval

CE mark	✓
---------	---