

PRODUCT BROCHURE

SAUTER CB 20-3Q1

Date: 29.04.2025

ENGLISH



Bending beam and shear beam load cell made from stainless steel

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

DESCRIPTION

- CE and RoHS compliant
- Area of application: Measuring mass as well as compressive force in harsh environments
- Suitable for platform scales, weigh hoppers, floor scales and other weighing devices

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CB 20-3Q1
Model-Serie	CB Q1
Assortment	Sauter
Product Type	Measuring cells
Product group	Bending bar weighing cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761220713
Customs tariff number	84239010
CE Label	yes

Technical data - Primary

Force directions	compression
OIML class	C3
Weighing capacity	20 kg

Technical data - Construction

IP Protection	IP68;IP69K
Material	stainless steel
cable length	3 m
Mounting force in	through hole Ø8.2mm

Mounting force out	2x through hole Ø8.2mm
--------------------	------------------------

Technical data - Power supply

Excitation Voltage min.	10 V
Excitation Voltage max.	15 V

Technical data - Measuring system

Full scale output	2 mV/V
combined error	0,017%
load cell connection	4-guide
measuring applications	mass

Technical data - Environmental conditions

Usage Temperature (min)	-10 °C
Usage temperature (max)	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	250×155×60 mm
Gross weight	0.55 kg
Net weight	0.50 kg
Shipping method	Parcel service

Packaging component - by weight - cardboard	242 g
Packaging component - by weight - plastics	5 g
Delivery time	1 d

Technical data - Verification

Resolution loadcell (e)	3000 e
-------------------------	--------

FUNCTIONS

Standard
  
Option
 

ACCESSORIES

Model	Description
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1

SERVICES

Model	Description
965-411	Assembly of components (< 50kg) 965-411
963-261V	DAkkS Calibration KERN 963-261V
970-014	Warranty extension KERN (+3 years) 970-014

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity
CB 5-3Q1	compression	C3	5 kg
CB 10-3Q1	compression	C3	10 kg
CB 20-3Q1	compression	C3	20 kg
CB 30-3Q1	compression	C3	30 kg

Model name	Force directions	OIML class	Weighing capacity
CB 50-3Q1	compression	C3	50 kg
CB 75-3Q1	compression	C3	75 kg
CB 100-3Q1	compression	C3	100 kg
CB 150-3Q1	compression	C3	150 kg
CB 200-3Q1	compression	C3	200 kg
CB 250-3Q1	compression	C3	250 kg
CB 300-3Q1	compression	C3	300 kg
CB 500-3Q1	compression	C3	500 kg