

SAUTER CR 5000-1Q1

Loadcell made of stainless steel

KERN



Load cell - Recommended excitation voltage [Min]	10 V
Load cell - Recommended excitation voltage [Max]	15 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,05%
Temperature coefficient - characteristic value	$\leq \pm 0.018\% \text{Sn} / 5^\circ \text{C}$
Zero balance	$\pm 2.0\% \text{FS}$
Temperature coefficient - zero signal	$\leq \pm 0.01\% \text{Sn} / 5^\circ \text{C}$
Creep error (30 minutes)	$< \pm 0.048\% \text{Sn}$
Safe overload	150%
Ultimate overload	200%

Functions

IP protection - complete device	IP68
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Construction

Material	steel, stainless
Design	Bending ring
Dimension (Ø×H)	82×44 mm
Cable length	10 m

Environmental conditions

Ambient temperature [Min]	-50 °C
Ambient temperature [Max]	70 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C

Approval

CE mark	✓
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Services (optional)

Article number for factory calibration (compressive force)	961-265V
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Product information

GTIN/EAN number	4045761222144
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	250×155×60 mm
Net weight approx.	1,2 kg

Category	
Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CR Q1

Measuring System	
Weighing capacity [Max]	5000 kg
Measuring range force [Max] (N)	50 kN
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,002 mV/V
Load cell OIML class	C1
Load cell connection	4-wire
Power supply + Colour	green
Power supply - Colour	black
Signal + Colour	red
Signal - Colour	white
Load cell - Resolution (verifiable)	1000e
Load cell - Dead load [Min] (%)	0%
Measuring applications	force mass
Directions of force	compression
Load cell - Y-value	10000
Load cell - Input resistance - nominal	800 Ω
Load cell - Input resistance - variance	30 Ω
Load cell - Output resistance - nominal	700 Ω
Load cell - Output resistance - variance	5 Ω

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Gross weight approx.	1,2 kg
Shipping weight	1,151 kg

Pictograms

STANDARD



OPTION

