SAUTER **CR 5000-1Q1**

Loadcell made of stainless steel



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 sell - Input resistance - nominal	800 Ω
Load cell - Output resistance - nominal	700 Ω
Load cell - Input resistance - variance	30 Ω
Load cell - Output resistance - variance	5 Ω
Load cell - Recommended exitation voltage [Min]	10 V
Load cell - Recommended exitation voltage [Max]	15 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,05%
Temperature coefficient - characteristic value	≤± 0.018%Sn/5 °C
Zero balance	± 2.0%FS
Temperature coefficient - zero signal	≤± 0.01%Sn/5 °C
Creep error (30 minutes)	<± 0.048%Sn
Safe overload	150%
Ultimate overload	200%

Functions	
IP protection - complete device	IP68

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	✓

Services (optional)	
Article number for factory calibration (compressive force)	961-265V

Product information	
GTIN/EAN number	4045761222144
Trade number	90249000
REACH classification	no prohibited substances

Packing & Shipping	
Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	250×155×60 mm

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Net weight approx.	1,2 kg
Gross weight approx.	1,2 kg
Shipping volume weight	0,5 kg

Pictograms

STANDARD



OPTION

