

SAUTER CP 100-3P7

KERN

Single-Point load cell made from stainless steel



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CP P7

Measuring System

Weighing capacity [Max]	100 kg
Directions of force	compression
Load cell connection	6-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	0,2 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,023%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	384 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Isolation resistance - [Min]	5000 M Ω
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Input resistance - variance	4 Ω
Load cell - Output resistance - variance	3 Ω

Construction

Design	Singlepoint load cell
Dimension (WxDxH)	150x25,4x40 mm

Material	Stainless steel
Cable length	1 m
Mounting - force dissipation	2 x threaded hole M6
Mounting - force application	2 x threaded hole M6
Maximum platform size	400x400 mm

Functions

IP protection - complete device	IP67
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Environmental conditions

Ambient temperature [Min]	-35 °C
Ambient temperature [Max]	65 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Storage temperature [Min]	-40 °C
Storage temperature [Max]	70 °C

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration (compressive force)	963-262V
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (WxDxH)	235x115x45 mm
Shipping method	Parcel service
Net weight approx.	1,00 kg
Gross weight approx.	1,2 kg
Shipping weight	1,05 kg

Pictograms

STANDARD



OPTION

