

SAUTER CK 300-0P4

Miniature load cell made of aluminium

KERN

Temperature coefficient - characteristic value	± 0.03% F.S. / 10 °C
Temperature coefficient - zero signal	± 2% F.S. / 10 °C
Creep error (30 minutes)	+/- 0.05 %FS/3min
Safe overload	150%
Ultimate overload	300%

Functions

IP protection - complete device	IP65
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Construction

Material	aluminium
Design	Miniature bending beam
Dimension (W×D×H)	47×20×6,6 mm
Cable length	0,25 m
Mounting - force application	2 × through hole Ø 3,0 mm
Mounting - force dissipation	2 × threaded hole M3

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	65 °C

Approval

CE mark	✓
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Services (optional)

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

GTIN/EAN number	4045761221048
Trade number	84239010
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	145×60×35 mm
Net weight approx.	0,05 kg
Gross weight approx.	0,40 kg
Shipping volume weight	0,1 kg

Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CK P4

Measuring System

Weighing capacity [Max]	300 g
Load cell - characteristic value - nominal	0,9 mV/V
Load cell - characteristic value - variance	0,18 mV/V
Load cell OIML class	C1
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	yellow
Signal + Colour	blue
Signal - Colour	white
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Directions of force	compression
Load cell - Input resistance - nominal	1055 Ω
Load cell - Output resistance - nominal	1000 Ω
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	10 Ω
Load cell - Recommended excitation voltage [Min]	2 V
Load cell - Recommended excitation voltage [Max]	5 V
Load cell - Isolation resistance - [Min]	2000 MΩ
Load cell - Combined error	0,05%

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Pictograms

STANDARD



OPTION

