

SAUTER CP 50-3P7

Single-Point load cell made of stainless steel

KERN



Category

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

Measuring System

Weighing capacity [Max]	50 kg
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,2 mV/V
Load cell OIML class	C3
Load cell connection	6-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Sense + Colour	blue
Sense - Colour	brown
Load cell - Resolution (verifiable)	3000 e
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Directions of force	compression
Load cell - Y-value	12000
Load cell - Input resistance - nominal	384 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	4 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V

Load cell - Isolation resistance - [Min]	5000 M Ω
Load cell - Combined error	0,023%
Temperature coefficient - characteristic value	$\pm 0.011\%$ F.S. / 10 °C
Zero balance	$\leq \pm 1.5\%$ FS
Temperature coefficient - zero signal	$\pm 0.015\%$ F.S. / 10 °C
Creep error (30 minutes)	$\leq \pm 0.016\%$ FS
Safe overload	150%
Ultimate overload	300%

Functions

IP protection - complete device	IP67
---------------------------------	------

Construction

Material	stainless steel
Design	Singlepoint load cell
Dimension (W×D×H)	150×25,4×40 mm
Maximum platform size	400×400 mm
Cable length	1 m
Mounting - force application	2 × threaded hole M6
Mounting - force dissipation	2 × threaded hole M6

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	✓
---------	---

Product information

GTIN/EAN number	404576 1254060
Trade number	84239010
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	235×115×45 mm
Net weight approx.	1,00 kg
Gross weight approx.	1,2 kg
Shipping volume weight	0,2 kg

SAUTER CP 50-3P7

Single-Point load cell made of stainless steel

KERN

Pictograms

STANDARD



OPTION

