SAUTER **CK 5-0P1**

Miniature load cell made of aluminium

Date of creation: 10.08.2026

Category	
Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CK P1

Measuring System	
Weighing capacity [Max]	5 kg
Load cell - characteristic value - nominal	1,2 mV/V
Load cell - characteristic value - variance	0,15 mV/V
Load cell OIML class	C2
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Directions of force	compression
Load sell - 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 exitation voltage [Min]	5 V
Load cell - Recommended exitation voltage [Max]	9 V
Load cell - Isolation resistance - [Min]	2000 MΩ
Load cell - Combined error	0,03%
Temperature coefficient - characteristic value	± 0.05% F.S. / 10 °C
Zero balance	± 0,1mV/V
Temperature coefficient - zero signal	± 0.3% F.S. / 10 °C
Creep error (30 minutes)	+- 0.03 %FS/5min
Safe overload	150%
Ultimate overload	300%

Functions	
IP protection - complete device	IP65

Construction	
Material	aluminium
Design	Miniature bending beam
Dimension (W×D×H)	80×12,7×12,7 mm
Cable length	0,25 m
Mounting - force application	2 × threaded hole M4
Mounting - force dissipation	2 × threaded hole M5

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	✓

Services (optional)	
Article number for DAkkS calibration (compressive force)	963-261V

Product information	
Warranty Time	24 mon
Trade number	84239010
GTIN/EAN number	4045761221130

Packing & Shipping	
Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	145×60×35 mm

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Net weight approx.	0,05 kg
Gross weight approx.	0,10 kg
Shipping volume weight	0,1 kg

Pictograms

STANDARD

OPTION