SAUTER **CS 5000-3P1**

4-wire “S” measuring cell made of nickel-plated steel for force and mass measurement



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CS P1

Measuring System

Weighing capacity [Max]	5000 kg
Measuring range force [Max] (N)	50 kN
Load cell - characteristic value - nominal	2 mV/V
Load cell OIML class	C3
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Load cell - Resolution (verifiable)	3000 e
Load cell - Dead load [Min] (%)	0%
Measuring applications	force mass
Directions of force	tension compression
Load cell - Y-value	10000
Load sell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	351 Ω
Load cell - Recommended exitation voltage [Min]	5 V
Load cell - Recommended exitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	500 MΩ
Load cell - Combined error	0,02%
Safe overload	150%
Ultimate overload	300%

Functions

IP protection - complete device	IP67

Construction

Material	steel, nickel-plated
Design	"S" shaped cell
Dimension (W×D×H)	76,2×101,6×27,2 mm
Cable length	6 m
Mounting - force application	Threaded hole M20 × 1,5
Mounting - force dissipation	Threaded hole M20 × 1,5

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	✓

Services (optional)

Article number for factory calibration (compressive force)	961-265V
Article number for factory calibration (tensile force)	961-165V
Article number for factory calibration (tensile force/ compressive force)	961-365V

Product information

GTIN/EAN number	4045761221543
Trade number	90249000
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	205×170×60 mm
Net weight approx.	1,4 kg

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Gross weight approx.	1,6 kg
Shipping volume weight	0,4 kg

Pictograms

STANDARD



OPTION

