SAUTER **CR 5000-1Y1**

Loadcell made of steel alloy

Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CR Y1

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	C1
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Measuring applications	force mass
Directions of force	tension compression
Load sell - Input resistance - nominal	380 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended exitation voltage [Min]	5 V
Load cell - Recommended exitation voltage [Max]	10 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,05%
Temperature coefficient - characteristic value	≤± 0.05%FS/10 °C
Zero balance	± 1.0%FS
Temperature coefficient - zero signal	≤± 0.05%FS/10 °C
Creep error (30 minutes)	≤± 0.05%FS
Safe overload	150%
Ultimate overload	200%

Functions

IP protection - complete device	IP68

Construction

Material	steel
Design	Load cell
Dimension (Ø×H)	105×37 mm
Cable length	3 m
Mounting - force application	Pressure piece Threaded hole M16 × 1,5
Mounting - force dissipation	8 × through hole Ø 6,5 mm

Environmental conditions

Use temperature [Min]	-20 °C
Use temperature [Max]	65 °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	4045761246188
Trade number	90249000
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	200×165×135 mm

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Net weight approx.	1,8 kg
Gross weight approx.	2,0 kg
Shipping volume weight	0,9 kg

Pictograms

STANDARD

IP 68

1 DAY

OPTION

ISO