

# SAUTER CT 1000-3Q1

Shear beam made from stainless steel

**KERN**

## Category

|                  |                |
|------------------|----------------|
| Brand            | Sauter         |
| Product category | Measuring cell |
| Product group    | Load cell      |
| Product family   | CT Q1          |

## Measuring System

|                                                  |              |
|--------------------------------------------------|--------------|
| Weighing capacity [Max]                          | 1000 kg      |
| Load cell - characteristic value - nominal       | 2 mV/V       |
| Load cell - characteristic value - variance      | 0,001 mV/V   |
| Load cell OIML class                             | C3           |
| Load cell connection                             | 6-wire       |
| Power supply + Colour                            | green        |
| Power supply - Colour                            | black        |
| Signal + Colour                                  | red          |
| Signal - Colour                                  | white        |
| Sense + Colour                                   | blue         |
| Sense - Colour                                   | yellow       |
| Load cell - Resolution (verifiable)              | 3000 e       |
| Load cell - Dead load [Min] (%)                  | 0%           |
| Measuring applications                           | mass         |
| Directions of force                              | compression  |
| Load cell - Y-value                              | 10000        |
| Load cell - Input resistance - nominal           | 400 $\Omega$ |
| Load cell - Output resistance - nominal          | 350 $\Omega$ |
| Load cell - Input resistance - variance          | 20 $\Omega$  |
| Load cell - Output resistance - variance         | 3 $\Omega$   |
| Load cell - Recommended excitation voltage [Min] | 10 V         |
| Load cell - Recommended excitation voltage [Max] | 15 V         |

|                                                |                                                 |
|------------------------------------------------|-------------------------------------------------|
| Load cell - Isolation resistance - [Min]       | 5000 M $\Omega$                                 |
| Load cell - Combined error                     | 0,017%                                          |
| Temperature coefficient - characteristic value | $\leq \pm 0.006\% \text{Sn} / 5^\circ \text{C}$ |
| Zero balance                                   | $\pm 2.0\% \text{Sn}$                           |
| Temperature coefficient - zero signal          | $\leq \pm 0.01\% \text{Sn} / 5^\circ \text{C}$  |
| Creep error (30 minutes)                       | $\leq \pm 0.016\% \text{Sn}$                    |
| Safe overload                                  | 150%                                            |
| Ultimate overload                              | 200%                                            |

## Functions

|                                 |               |
|---------------------------------|---------------|
| IP protection - complete device | IP68<br>IP69K |
|---------------------------------|---------------|

## Construction

|                              |                                        |
|------------------------------|----------------------------------------|
| Material                     | steel, stainless                       |
| Design                       | Shear beam measuring cell              |
| Dimension (W×D×H)            | 130×31,5×31,5 mm                       |
| Cable length                 | 5 m                                    |
| Mounting - force application | Threaded hole M12                      |
| Mounting - force dissipation | 2 × through hole $\varnothing$ 13,5 mm |

## Environmental conditions

|                           |                       |
|---------------------------|-----------------------|
| Ambient temperature [Min] | -30 $^\circ \text{C}$ |
| Ambient temperature [Max] | 70 $^\circ \text{C}$  |
| Use temperature [Min]     | -10 $^\circ \text{C}$ |
| Use temperature [Max]     | 40 $^\circ \text{C}$  |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Services (optional)

|                                                            |          |
|------------------------------------------------------------|----------|
| Article number for factory calibration (compressive force) | 961-264V |
|------------------------------------------------------------|----------|

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761222182            |
| Trade number         | 84239010                 |
| REACH classification | no prohibited substances |

## Packing & Shipping

|                 |                |
|-----------------|----------------|
| Shipping method | Parcel service |
| Delivery time   | 1 d            |

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|                              |               |
|------------------------------|---------------|
| Dimensions packaging (W×D×H) | 250×155×60 mm |
|------------------------------|---------------|

|                    |         |
|--------------------|---------|
| Net weight approx. | 0,90 kg |
|--------------------|---------|

|                      |        |
|----------------------|--------|
| Gross weight approx. | 1,2 kg |
|----------------------|--------|

|                        |        |
|------------------------|--------|
| Shipping volume weight | 0,5 kg |
|------------------------|--------|

## Pictograms

### STANDARD

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### OPTION

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