

# SAUTER CK 1-0P1

Miniature load cell made of aluminium

**KERN**

## Category

|                  |                |
|------------------|----------------|
| Brand            | Sauter         |
| Product category | Measuring cell |
| Product group    | Load cell      |
| Product family   | CK P1          |

## Measuring System

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Weighing capacity [Max]                          | 1 kg                      |
| Load cell - characteristic value - nominal       | 1,5 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 cell - Input resistance - nominal           | 1055 $\Omega$             |
| Load cell - Input resistance - variance          | 10 $\Omega$               |
| Load cell - Output resistance - nominal          | 1000 $\Omega$             |
| Load cell - Output resistance - variance         | 10 $\Omega$               |
| Load cell - Recommended excitation voltage [Min] | 5 V                       |
| Load cell - Recommended excitation voltage [Max] | 9 V                       |
| Load cell - Isolation resistance - [Min]         | 2000 M $\Omega$           |
| Load cell - Combined error                       | 0,03%                     |
| Temperature coefficient - characteristic value   | $\pm 0.03\%$ F.S. / 10 °C |

|                                       |                        |
|---------------------------------------|------------------------|
| Zero balance                          | $\pm 0,1\text{mV/V}$   |
| Temperature coefficient - zero signal | $\pm 1\%$ F.S. / 10 °C |
| Creep error (30 minutes)              | $\pm 0.03\%$ FS/5      |
| Safe overload                         | 150%                   |

## Functions

|                                 |      |
|---------------------------------|------|
| IP protection - complete device | IP65 |
|---------------------------------|------|

## Construction

|                              |                        |
|------------------------------|------------------------|
| Material                     | aluminium              |
| Design                       | Miniature bending beam |
| Dimension (W×D×H)            | 80×10×12,7 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

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761221109            |
| REACH classification | no prohibited substances |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Shipping method              | Parcel service |
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 145×60×35 mm   |
| Net weight approx.           | 0,05 kg        |
| Gross weight approx.         | 0,10 kg        |
| Shipping weight              | 0,1 kg         |

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## Pictograms

### STANDARD

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### OPTION

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