# SAUTER **CK 10-Y4**

Flat miniature alloy steel load cell



## Category

| | |
|---|---|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load cell |
| Product family | CK Y4 |

## Measuring System

| | |
|---|---|
| Weighing capacity [Max] | 40 kg |
| Load cell - characteristic value - nominal | 0,5 mV/V |
| Load cell - characteristic value - variance | 0,05 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 |
| Load cell - Dead load [Min] (%) | 0% |
| Measuring applications | mass |
| Directions of force | compression |
| Load sell - Input resistance - nominal | 1000 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] | 3 V |
| Load cell - Recommended exitation voltage [Max] | 10 V |
| Load cell - Isolation resistance - [Min] | 2000 MΩ |
| Load cell - Combined error | 0,05% |
| Temperature coefficient - characteristic value | ± 0.1% F.S. / 10 °C |
| Zero balance | ± 0,3mV/V |
| Temperature coefficient - zero signal | ± 0.1% F.S. / 10 °C |
| Creep error (30 minutes) | ± 0.05% F.S. |
| Safe overload | 120% |
| Ultimate overload | 150% |

## Functions

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

## Construction

| | |
|---|---|
| Material | steel, galvanized |
| Design | Miniature bending beam |
| Dimension (W×D×H) | 34×34×4,5 mm |
| Cable length | 0,45 m |
| Mounting - force application | Support point |
| Mounting - force dissipation | 4 × through hole Ø 3,1 mm |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | -20 °C |
| Ambient temperature [Max] | 50 °C |
| Use temperature [Min] | -10 °C |
| Use temperature [Max] | 60 °C |
| Storage temperature [Min] | -30 °C |
| Storage temperature [Max] | 60 °C |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761246393 |
| Trade number | 84239010 |
| REACH classification | no prohibited substances |

## Packing & Shipping

| | |
|---|---|
| Shipping method | Parcel service |
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 90×90×20 mm |
| Net weight approx. | 0,10 kg |
| Gross weight approx. | 0,10 kg |
| Shipping volume weight | 0,1 kg |

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## Pictograms

### STANDARD

