

KERN DC 10-Y2

Static torque sensor made from alloy steel

KERN



Construction

| | |
|------------------------------|---------------------------|
| Design | round |
| Material | steel |
| Cable length | 2 m |
| Mounting - force application | 12,5 mm outer square |
| Mounting - force dissipation | 4 × through hole Ø 6,5 mm |

Functions

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

Environmental conditions

| | |
|-----------------------|--------|
| Use temperature [Min] | -20 °C |
| Use temperature [Max] | 65 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 120×90×85 mm |
| Net weight | 0,321 kg |
| Shipping method | Parcel service |
| Net weight approx. | 0,35 kg |
| Gross weight approx. | 0,35 kg |
| Shipping weight | 0,326 kg |

Pictograms

STANDARD



Category

| | |
|------------------|----------------|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Torque sensor |
| Product family | DC Y2 |

Measuring System

| | |
|--|---------------|
| Load cell connection | 4-wire |
| Load cell - characteristic value - nominal | 1,5 mV/V |
| Load cell - characteristic value - variance | 0,15 mV/V |
| Load cell - Combined error | 0,5% |
| Measuring applications | static torque |
| Load cell - Input resistance - nominal | 380 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Recommended excitation voltage [Min] | 9 V |
| Load cell - Recommended excitation voltage [Max] | 12 V |
| Load cell - Input resistance - variance | 10 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Measuring range torque [Max] | 10 Nm |

Approval

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