

# KERN DC 10-Y2

# KERN

Static torque sensor made from alloy steel



## 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
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## Environmental conditions

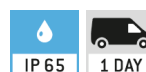
Use temperature [Min]	-20 °C
Use temperature [Max]	65 °C

## 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	✓
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