## KERN CS 10000-3P1



4-wire "S" measuring cell made of nickel-plated steel for force and mass measurement



Category	
Brand	Sauter
Product categoriy	Measuring cell
Product group	Load/force measuring cell
Product family	CS P1

Measuring System	
Weighing capacity [Max]	10000 kg
Load cell connection	4-wire
Load cell OIML class	C3
Load cell - Resolution (verifiable)	3000 e
Load cell - characteristic value - nominal	2 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,02%
Load cell - Dead load [Min] (%)	0%
Measuring applications	force mass
Load sell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	351 Ω
Load cell - Isolation resistance - [Min]	500 ΜΩ
Measuring range force [Max] (N)	100 kN
Directions of force	tension compression

Approval	
CE mark	✓

Construction			
Design	"S" shaped cell		
Dimension (W×D×H)	125×175×50 mm		
Material	steel, nickel-plated		
Cable length	6 m		
Mounting - force application	Threaded hole M33 × 3		
Mounting - force dissipation	Threaded hole M33 × 3		
Functions			
IP protection - complete device	IP67		
Environmental conditions			
Use temperature [Min]	-10 °C		
Use temperature [Max]	40 °C		
Ambient temperature [Min]	-35 °C		
Ambient temperature [Max]	65 °C		
Storage temperature [Min]	-40 °C		
Storage temperature [Max]	70 °C		
Packing & Shipping			
Readability force [d] (N)	1 d		
Dimensions packaging (W×D×H)	320×320×160 mm		
Net weight	6,72 kg		
Shipping method	Parcel service		
Net weight approx.	7 kg		
Gross weight approx.	9 kg		
Shipping weight	8,52 kg		
Services (optional)			
Article number for factory calibration (tensile force)	961-166V		
Article number for factory calibration (compressive force)	961-266V		
Article number for factory calibration (tensile force/compressive force)	961-366V		

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Pictograms		
STANDARD		
IP 67 1 DAY		
OPTION		
100		