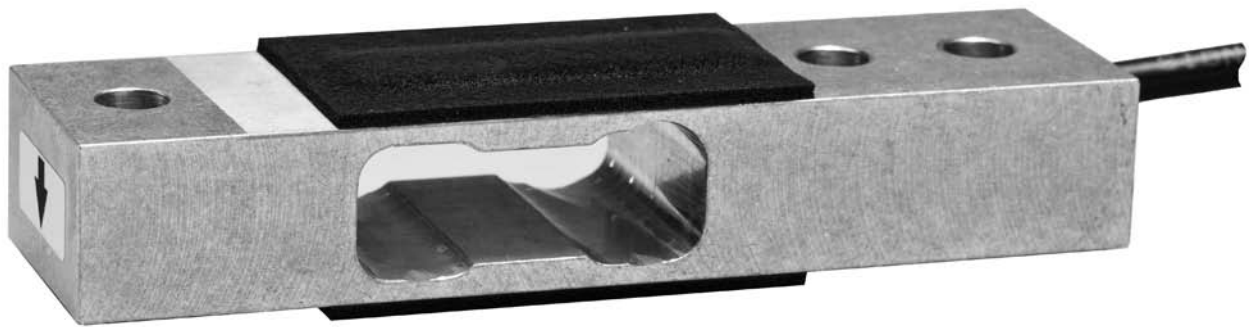




Product Description

The type SB61C is an aluminium single point load cell with an improved potting.

Application

- Retail scales and bench scales

Packed Weight

- 0.4 kg

Available Accessoires

- Compatible range of electronics

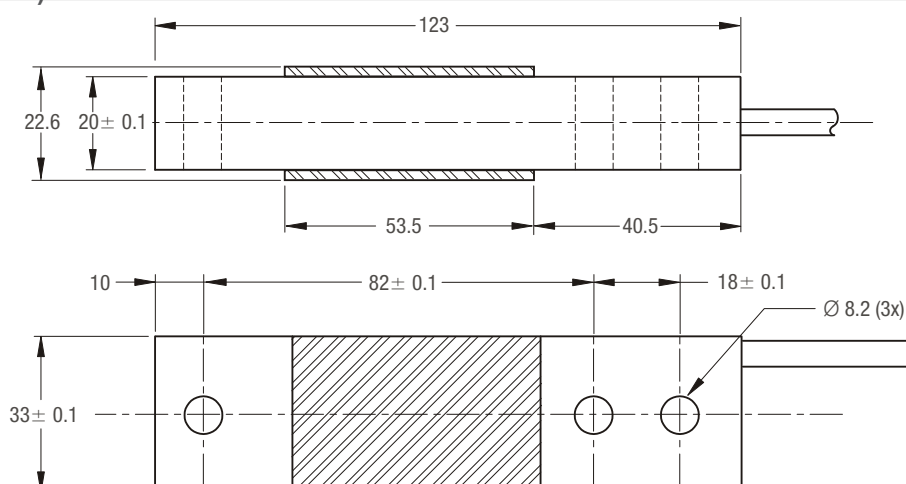
Key Features

- Capacity of 50 kg
- Rated output with tight tolerances for easy load cell replacement, no re-calibration required
- Aluminium construction
- Environmental Protection IP67
- Low profile design
- Maximum platform size up to 250 x 250 mm
- Mounting holes compatible with SB6, SB8 and ZLB

Specifications

Maximum capacity	(E _{max})	kg	50
Accuracy class		%*E _{max}	± 0.1
Maximum number of intervals	(n _{LC})		1 000
Minimum load cell interval		g	50
Temperature effect on minimum dead load output	(TC ₀)	%*R ₀ /10°C	≤ ± 0.0400
Temperature effect on sensitivity	(TC _{R0})	%*R ₀ /10°C	≤ ± 0.0200
Combined error		%*R ₀	≤ ± 0.0400
Creep error (30 minutes) / DR		%*R ₀	≤ ± 0.0600
Rated output	(R ₀)	mV/V	2 ± 0.1%
Zero balance		%*R ₀	≤ ± 1
Excitation voltage		V	5...15
Input resistance	(R _{LC})	Ω	390 ± 10
Output resistance	(R _{out})	Ω	330 ± 25
Insulation resistance (100 V DC)		MΩ	≥ 5 000
Safe load limit	(E _{lim})	%*E _{max}	200
Ultimate load		%*E _{max}	300
Safe side load		%*E _{max}	100
Maximum platform size; loading acc. OIML R76		mm	250 x 250
Maximum off center distance at maximum capacity		mm	95
Maximum off center error		%*E _{max}	± 0,1
Compensated temperature range		°C	-10...+40
Operating temperature range		°C	-20...+65
Load cell material			aluminium
Sealing			potted
Protection according EN 60 529			IP67

Dimensions (in mm)



Mounting bolts M8 8.8; torque 25 Nm. Torque value assumes oiled threads.

Wiring

- The load cell is provided with a shielded, 4 conductor cable (AWG 24). Cable jacket polyurethane
- Cable length: 3 m
- Cable diameter: 5 mm
- The shield is connected to the load cell body

