Type L6C Load Cell



Short Description

- Aluminium-alloy IP65 single point load cell
- Colourless anodized
- Available with flat ribbon or PVC cable
- Suitable for counting and other electronic scales
- Recommended maximum platform size: 350 × 450 mm

Non-OIML approved

Available Models

Capacity	Accuracy	Full Article Description
3kg	C3	L6C-C3-3kg-2B
5kg	C3	L6C-C3-5kg-2B
8kg	C3	L6C-C3-8kg-2B
20kg	C3	L6C-C3-20kg-2B
30kg	C3	L6C-C3-30kg-2B
50kg	C3	L6C-C3-50kg-2B

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Technical Specifications L6C

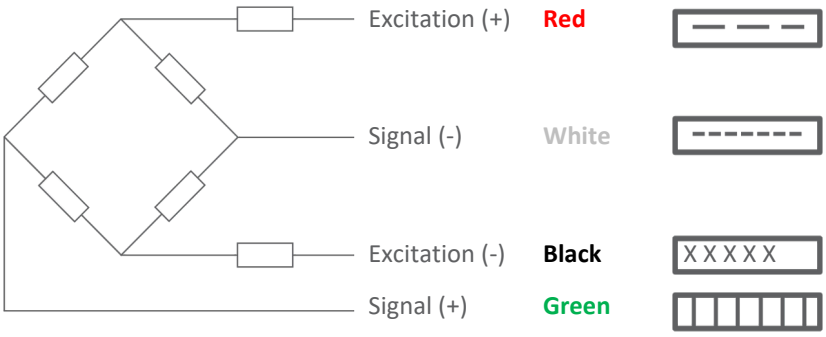
Accuracy Class		C3
Output Sensitivity (= FS)	mV/V	1.9 ± 0.2
Maximum Capacity (E_{max})	kg	3, 5, 8, 20, 30, 50
Max. Number of Load Cell Intervals	nLC	3000
Ratio of min. LC Verification Interval	$Y = E_{max}/v$ min	7000
Combined Error	%FS	≤± 0.023
Creep Error (30 minutes)	%FS	≤± 0.0245
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.014
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.0175
Zero Balance	%FS	≤± 2.0
Safe Overload	%FS	120
Ultimate Overload	%FS	150
Maximum Deflection	mm	0.62
Eccentric Loading Error	%Ld/cm	± 0.002
Excitation, Recommended Voltage	V	5 ~ 15
Excitation, Maximum Voltage	V	18
Input Resistance	Ω	406 ± 6
Output Resistance	Ω	350 ± 3
Insulation Resistance (50V)	MΩ	≥5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Storage Temperature	°C	-40 ~ + 70
Load Cell Weight	kg	0.39
Element Material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65
Recommended Torque on Fixation Bolts	Nm	M8: 20

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 24
Cable diameter: Ø 5.3mm
Cable length: 2.0m
Cable jacket: PVC
Shield is connected to element

4-Wire Connection Diagram

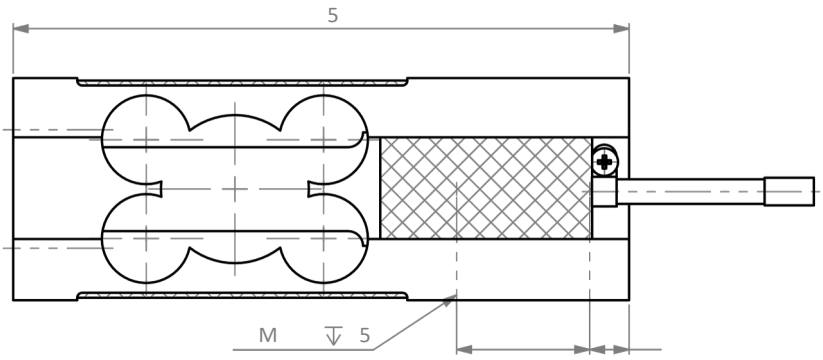


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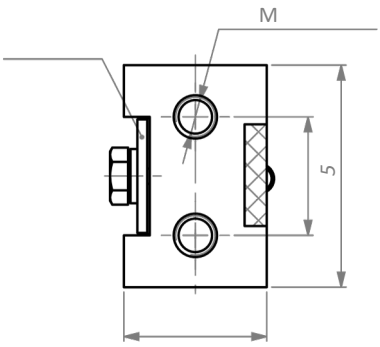
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Dimensions in mm

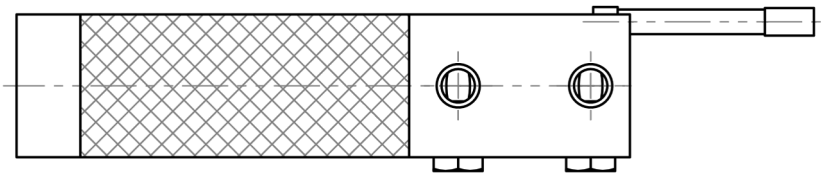
Front View



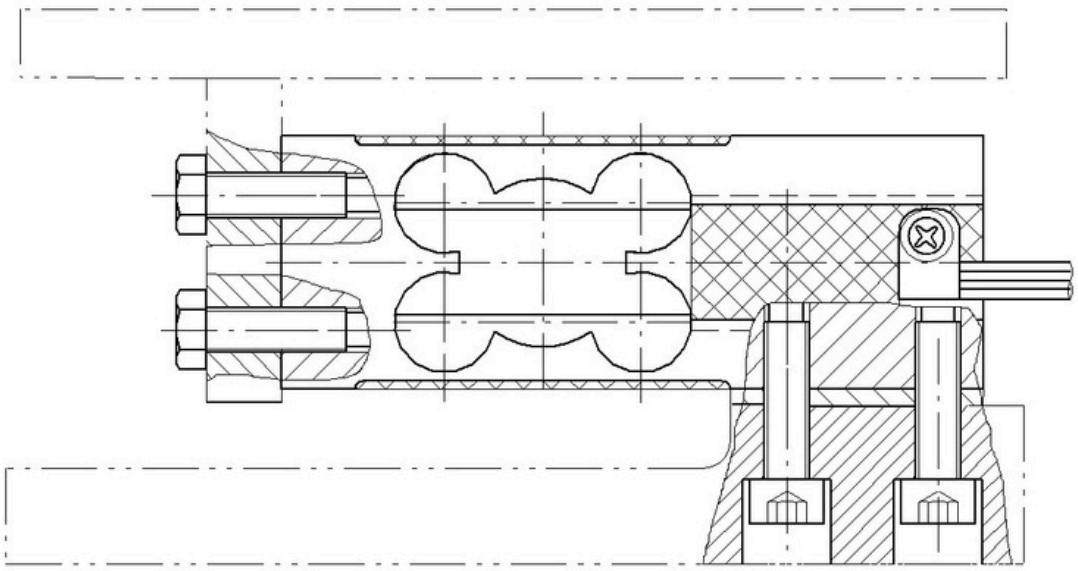
Side View



Bottom View



Mounting Position



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