

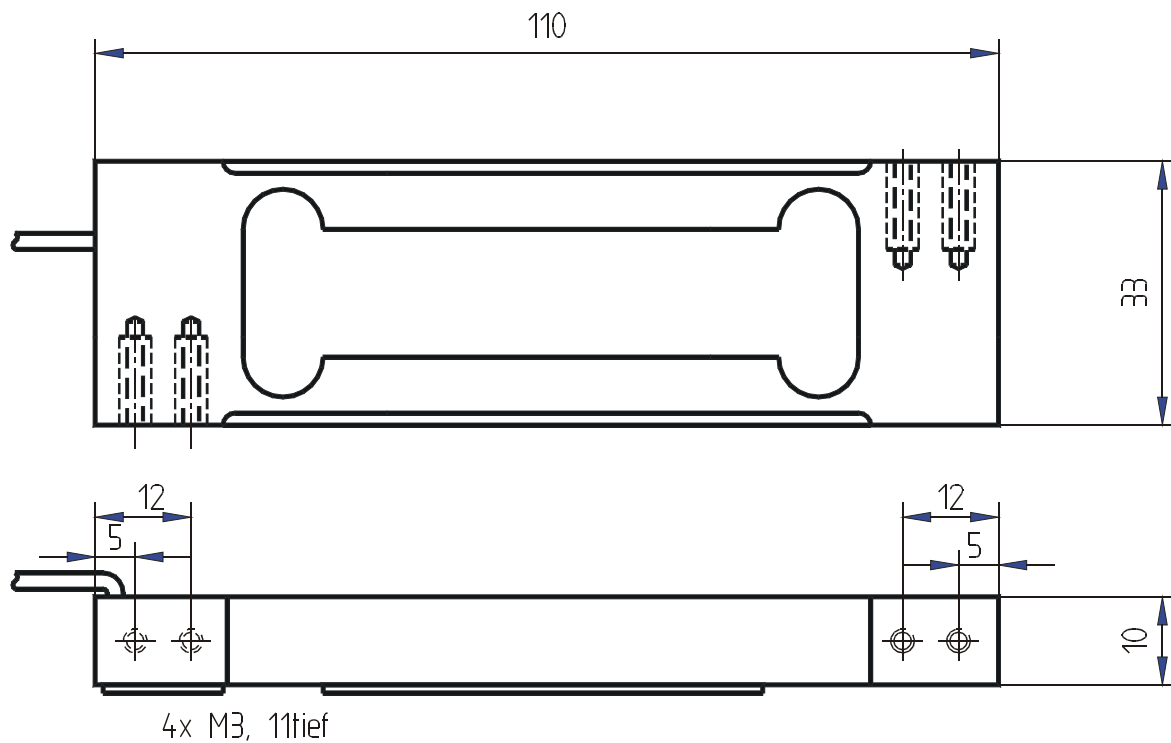
Load Cell LCB110

Nominal load ranges (compression) 0.3kg, 0.6kg, 1.5kg

The load cell LCB110 is used in miniature weighing platforms. Despite its small dimensions it can be built into a platform of up to 200mm x 200mm.

Environmental protection of the load cell LCB110 is IP 66.

Dimensions





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Technical Data

Load cell	compression	
Construction	bending beam	
Material	aluminum alloy	
Accuracy classes	F (0,1%),	
Nominal loads (F _N)	0.3kg...1.5kg	
Combined error	< ±0.03	% S _N
Creep error (30 min)	< ±0.05	% S _N
Temp. coeff. of the zero signal	< ±0.1	% F _N / 10°C
Temp. coeff. of the nominal output	< ±0.03	% S _N / 10°C
Operating load	150	% F _N
Breaking load	300	% F _N
Nominal temperature range	-10...+40	°C
Operating temperature range	-30...+70	°C
Storage temperature range	-30...+70	°C
Nominal output (S _N)	0.9 ±10%	mV/ V
Zero signal tolerance	±10	% F _N
Max. supply voltage	15	V
Input resistance	415 ±20	Ohm
Output resistance	350 ±3	Ohm
Insulation resistance	> 2 · 10 ⁹	Ohm
Connection, 4-conductor open	0.4	m

Pin Configuration

+U _s	positive bridge supply	green
-U _s	negative bridge supply	black
+U _D	positive bridge output	red
-U _D	negative bridge output	white