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Load Cells

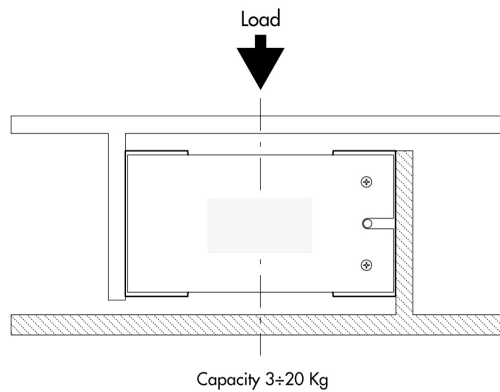
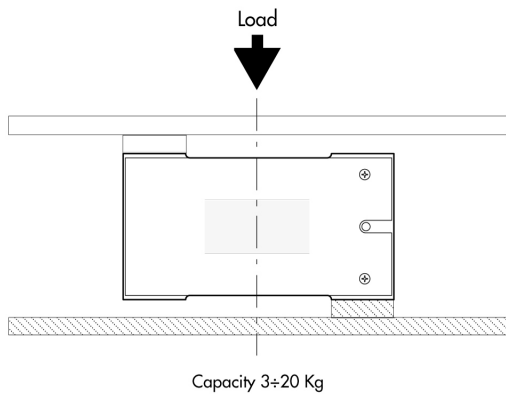
off center



U2D1

- Particularly suitable for the construction of industrial electronic weighing scales, counting and packaging machines
- Insensitive to off-center weights

- Approved 3000 division O.I.M.L. R60 Class C
- High precision, high reliability and long service life
- Sealed with silicone compound
- Maximum size of 400 x 600 mm



Electrical connection	
+Excitation	Green
-Excitation	Black
+Signal	Red
-Signal	White
Shield	Cable shield

Error is within 0,02% SN applied with 1/2 of capacity at the position of 150 mm of eccentricity

The center of loading plate and also the center of the load cell should be the same position

TECHNICAL CHARACTERISTICS U2D1

Rated load (R.L.):	3 Kg - 6 Kg - 10 Kg - 15 Kg - 20 Kg - 25 Kg - 50 Kg - 100 Kg
Linearity:	$\pm 0.0125\%$ of R.O.
Repeatability:	$\pm 0.02\%$ R.O.
Creep (20 minutes):	± 0.02 (0.03 R.L. 3 Kg)%
Safe overload:	200 % of R.L.
Ultimate overload:	300% of R.L.
Recommended input:	5 ÷ 12 Vcc/ca
Input resistance:	420 +30/-20 Ohm
Output resistance:	350 \pm 5 Ohm
Insulation resistance:	> 2000 M Ohm
Rated output (R.O.):	2 \pm 0.2 mV/V
Zero balance:	< ± 0.1 mV/V
Temperature range:	-10 ÷ +50 °C
Compensated temperature range:	-10 ÷ +50 °C
Temperature effect on zero balance:	$\pm 0.0013\%$ SN/°C
Temperature effect on output:	$\pm 0.0010\%$ on output/°C
Deflection:	0.48 ÷ 0.61 mm
Degree of protection:	3000 n. OIML
Material:	Aluminum alloy
Electrical connection:	4 conductors shielded cable; length 30 cm

