

Single point load cell up to 650 kg Model F4812



WIKA Data sheet FO 53.11

Applications

- Platform-, packaging scales, process weighing equipments



Special features

Single point load cell, model F4812

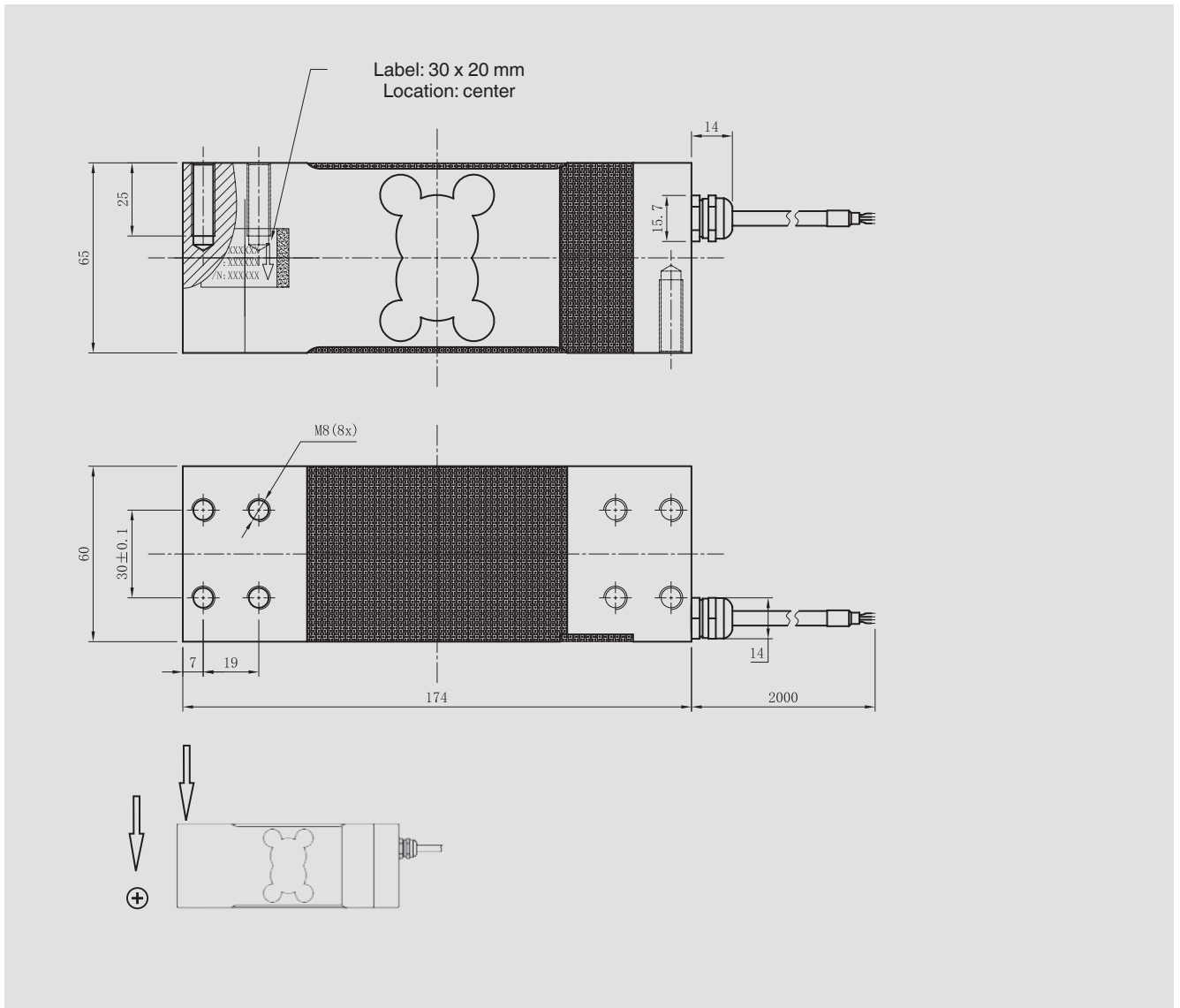
- Made of aluminum alloy
- High accuracy, high side load tolerance, simple structure, easy to install
- Measuring range: 50 ... 650 kg

Technical data in accordance with VDI/VDE/DKD 2638

| Model F4812 | |
|---|---|
| Rated force F_{nom} in kg | 50, 100, 150, 200, 250, 300, 500, 650 |
| Force limit F_L | 150 % F_{nom} |
| Breaking force F_B | 200 % F_{nom} |
| Relative reversibility v | 0.02 % of F.S. |
| Relative linearity error d_{lin} | 0.02 % of F.S. |
| Relative deviation of zero signal $d_{S,0}$ | ±2 % of F.S. |
| Relative repeatability error in unchanged mounting position b_{rg} | 0.02 % of F.S. |
| Relative creep, 30 min. F_{nom} | |
| Insulation resistance R_{is} | ≥ 2,000 MΩ/DC 100 V |
| Input resistance R_e | 410 ± 10 Ω |
| Output resistance R_a | 350 ± 5 Ω |
| Output signal (characteristic value) C | 2.0 ± 10 % mV/V |
| Temperature effect on <ul style="list-style-type: none"> ■ characteristic value TK_C ■ zero signal TK_0 | 0.025 % v. EW. /10 °C |
| Recommended excitation voltage | 10 V |
| Maximum excitation voltage | 15 V |
| Rated temperature $B_{T, nom}$ | -10 ... +40 °C |
| Operating temperature $B_{T, G}$ | -20 ... +60 °C |
| Protection type | IP65 in accordance with EN/IEC 60529 |
| Material | Aluminum alloy |
| Cable size | Ø 5 x 2,000 mm |
| Platform size | 450 x 550 mm |
| Weight in kg | 1.8 |
| Cable color code | Input: red (+) black (-), Output: green (+) white (-) |

of F.S. = full scale value

Dimensions in mm



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We reserve the right to make modifications to the specifications and materials.

