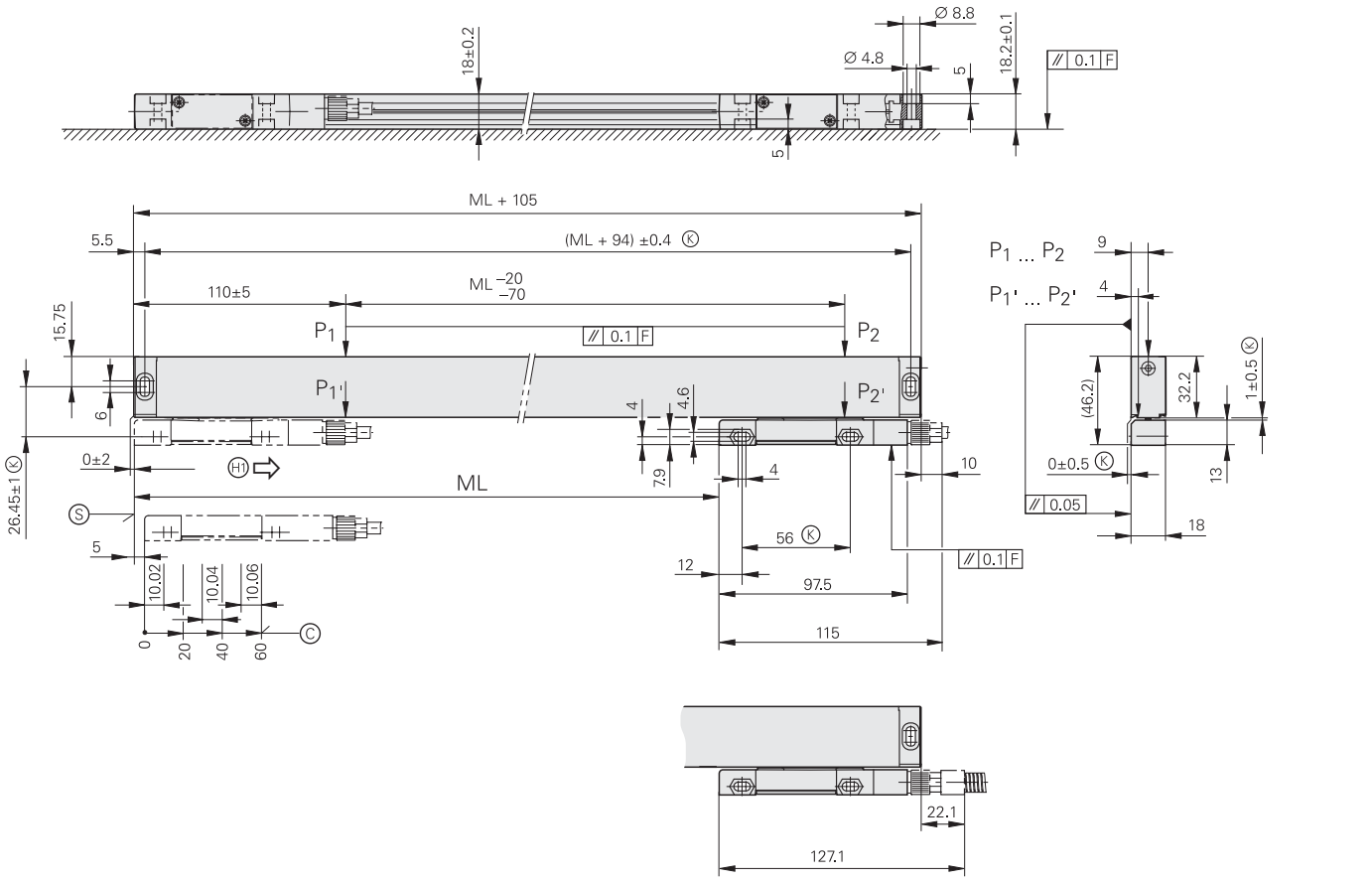


mm

Tolerancing ISO 8015
ISO 2768 - m H
< 6 mm: ±0.2 mm

Ⓢ = Beginning of measuring length (ML)
Ⓒ = Reference mark position
F = Machine guideway
P = Gauging points for alignment
Ⓚ = Required mating dimensions
Ⓗ1 = Direction of scanning unit for output signals in accordance with interface description

| Specifications | Incremental | |
|---|---|---|
| | **LS 388C** | **LS 328C** |
| **Measuring standard** | Glass scale with DIADUR graduation | |
| **Accuracy grade** | ± 10 µm | |
| **Measuring length ML*** | 70 120 170 220 270 320 370 420 470 520 570 620<br>670 720 770 820 870 920 970 1 020 1 140 1 240 | |
| **Interface** | ∿ 1 $V_{PP}$ | ⊓⊔ TTL |
| Grating period | 20 µm | |
| Edge separation a | – | ≤ 5 µs |
| Reference mark | Distance-coded | |
| **Recommended measuring step**[1)] | 10 µm, 5 µm | |
| **Power supply** | 5 V DC ± 0.25V/< 100 mA (without load) | |
| **Electrical connection** | Separate adapter cable connectable to mounting block | |
| **Cable length** | ≤ 30 m (with HEIDENHAIN cable) | |
| **Traversing speed** | ≤ 60 m/min | |
| **Required moving force** | ≤ 5 N | |
| **Vibration** 55 to 2000 Hz<br>**Shock** 6 ms | ≤ 150 $m/s^2$ (EN 60068-2-6)<br>≤ 300 $m/s^2$ (EN 60068-2-27) | |
| **Operating temperature** | 0 °C to +50 °C | |
| **Protection** EN 60 529 | IP 53 when mounted according to the instructions | |
| **Weight** | 0.27 kg + 0.67 kg/m measuring length | |

* Please select when ordering
1) For position measurement

Please refer—especially for connection to non-HEIDENHAIN electronics—to the *General electrical information* in the *Interfaces of HEIDENHAIN Encoders* catalog.