

### CDS12-10000 potentiometric output – Measurement range 0 up to 10 000 mm



#### Specifications:

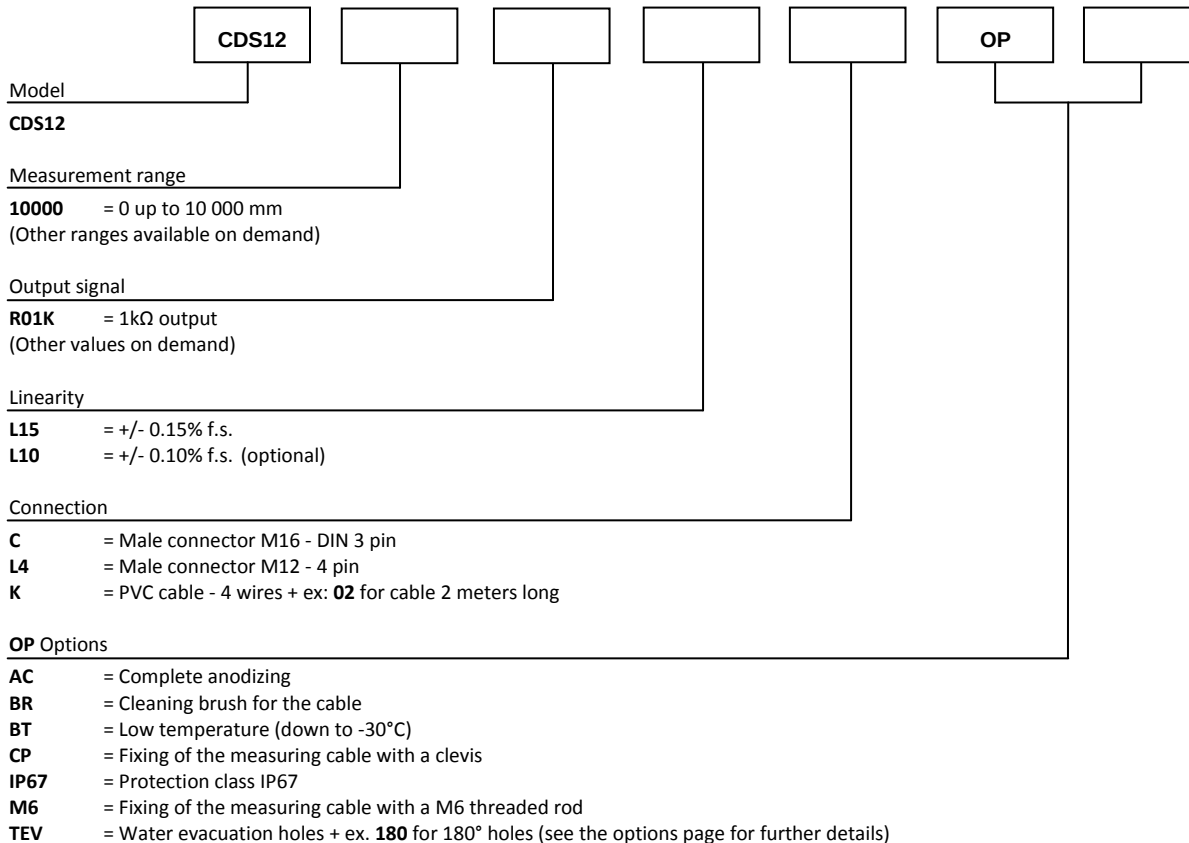
|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| Measurement range     | 0 up to 10 000 mm                                                                   |
| Output signal         | 1k $\Omega$ (other values on demand)                                                |
| Resolution            | Quasi infinite (depends on the operating system)                                    |
| Material              | Body and cover - Aluminium (RohS)<br>Measuring cable - Stainless steel              |
| Cable diameter        | 0,90 mm                                                                             |
| Detection element     | Precision potentiometer                                                             |
| Connection            | Male connector M16 - DIN 3 pin<br>Male connector M12 - 4 pin<br>PVC cable - 4 wires |
| Standard linearity    | +/- 0,15% f.s.<br>+/- 0,10% f.s. (optional)                                         |
| Protection class      | IP65                                                                                |
| Max. Velocity         | 10 m/s                                                                              |
| Max. Acceleration     | 5 m/s <sup>2</sup> (before cable deformation)                                       |
| Weight                | ≈ 6 kg                                                                              |
| Operating temperature | -20° to +80°C                                                                       |
| Storage temperature   | -30° to +80°C                                                                       |



#### Cable forces:

| Measurement range in mm | Min. pull-out force | Max. pull-out force |
|-------------------------|---------------------|---------------------|
| 10 000                  | ≈ 10,50 N           | ≈ 15,00 N           |

#### Ordering reference:



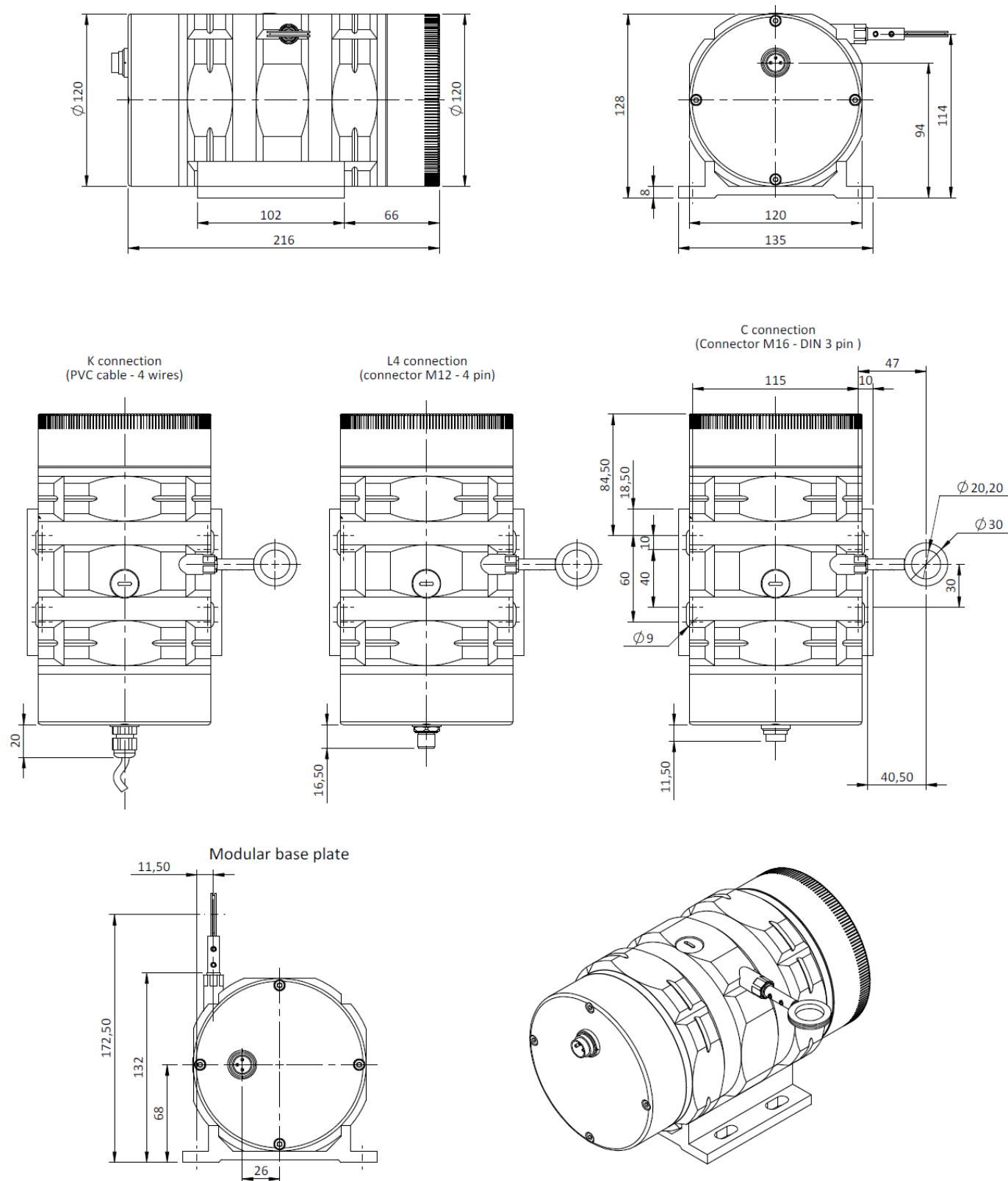
Reference example: CDS12-10000-R01K-L15-K02-OP-AC-M6

Made in France

### CDS12-10000 potentiometric output – Measurement range 0 up to 10 000 mm



#### Dimensions:



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Sensata:

[CDS12-MEC-10000-300-L005-OP-AC](#) [NEG0003346](#)