

CD115 potentiometric output – Measurement range 0 up to 3000 mm



Specifications:

Measurement range	0 up to 3000 mm
Output signal	1k Ω (other values on demand)
Resolution	Quasi infinite (depends on the operating system)
Material	Body and cover - Aluminium (RohS) Measuring cable – Stainless steel
Cable diameter	0,60 mm
Detection element	Precision potentiometer
Connection	Male connector M16 – DIN 3 pin Male connector M12 – 4 pin PVC cable – 4 wires
Standard linearity	+/- 0,15% f.s. +/- 0,10% f.s. (optional)
Protection class	IP54 (option IP67)
Max. Velocity	10m/s
Max. Acceleration	7 m/s ² (before cable deformation)
Weight	≈ 2000 g
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
3000	≈ 13,50 N	≈ 18,00 N

Ordering reference:

Model	CD115					OP	
CD115							
Measurement range	3000 = 0 up to 3000 mm (Other ranges available on demand)						
Output signal	R01K = 1k Ω output (Other values on demand)						
Linearity	L15 = +/- 0.15% f.s. L10 = +/- 0.10% f.s. (optional)						
Connection	C = Male connector M16 – DIN 3 pin L4 = Male connector M12 – 4 pin K = PVC cable – 4 wires + ex: 02 for cable 2 meters long						
OP Options	AC = Complete anodizing BR = Cleaning brush for the cable BT = Low temperature (down to -30°C) CP = Fixing of the measuring cable with a clevis IP67 = Protection class IP67 M4 = Fixing of the measuring cable with a M4 threaded rod TEV = Water evacuation holes BR = Cleaning brush for the cable						

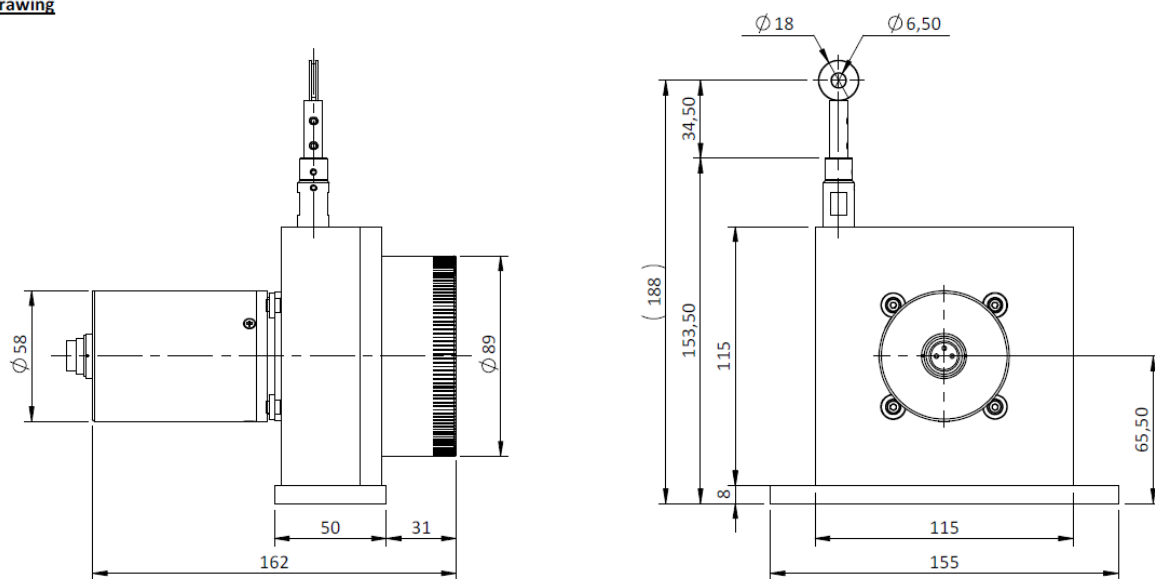
Reference example: CD115-3000-R01K-L15-K02-OP-AC-M4

Made in France

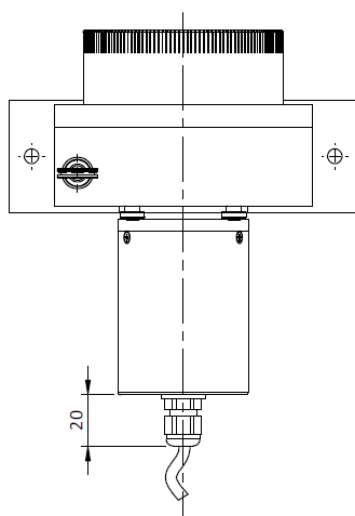
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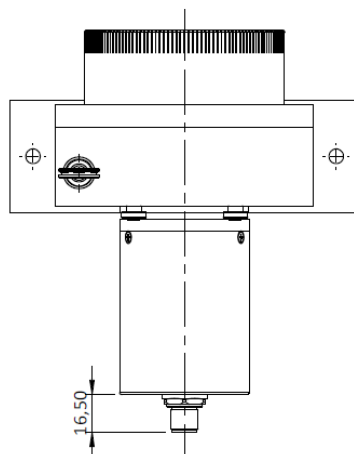
Dimensional Drawing



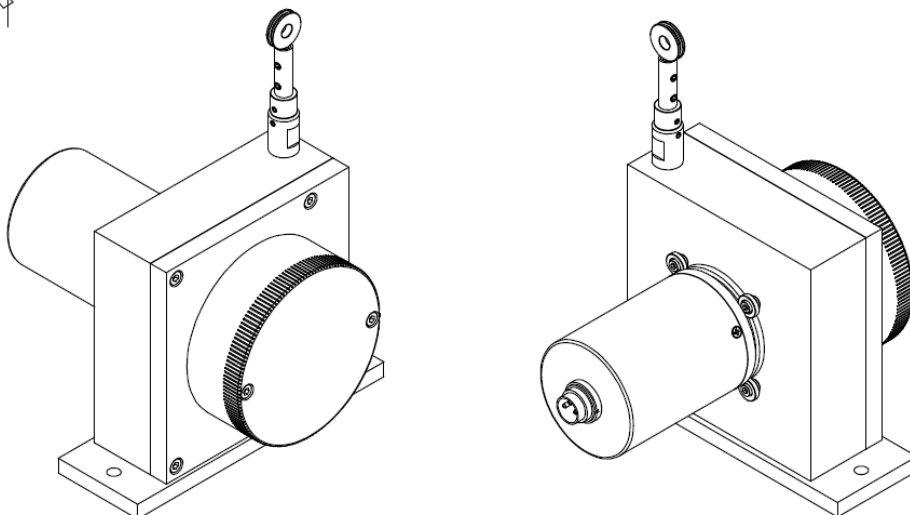
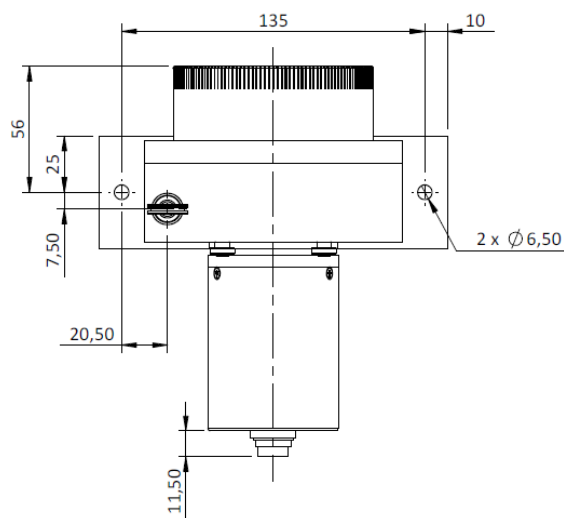
K connection
(PVC cable - 4 wires)



L4 connection
(connector M12 - 4 pin)



C connection
(Connector M16 - DIN 3 pin)



Mouser Electronics

Authorized Distributor

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Sensata:

[CD115-MEC-3000-300-L005-OP-AC](#) [NEG0003345](#)