



mm FD200 digital

Description

- Robust aluminium profile housing
- Customized versions for OEM
- Incremental/absolute encoder

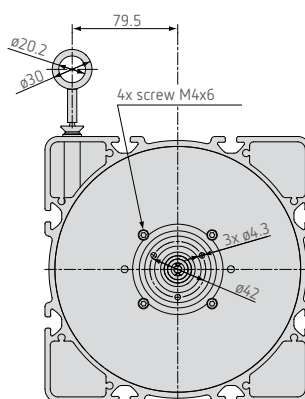
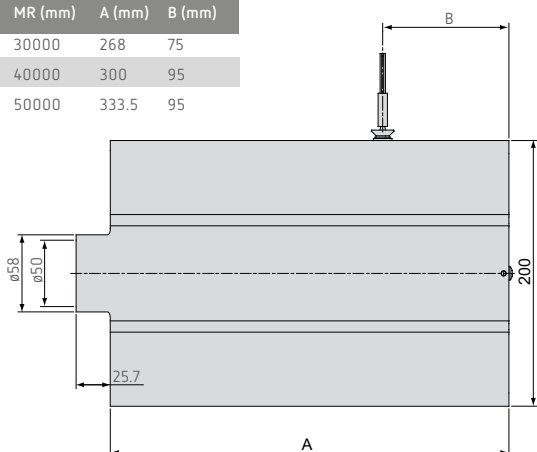


Draw wire sensors of the FD200 Series are specially designed for industrial applications in lift engineering, crane systems, forklift trucks and high bay warehouses. The rugged case and solid, high quality components guarantee high operational reliability and a long service life even in harsh industrial environments.

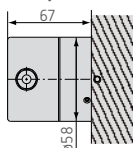
Outline drawing

FD200

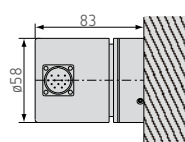
MR (mm)	A (mm)	B (mm)
30000	268	75
40000	300	95
50000	333.5	95



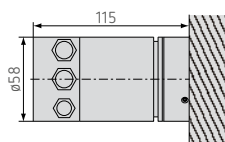
Output FD200-HTL/TTL



Output FD200-SSI



Output FD200-CO/PB



Technical data

Model	FD200-30000	FD200-40000	FD200-50000	
Measuring range	30000mm	40000mm	50000mm	
Output	HTL/ TTL/ SSI/ PB/ CO			
Travel per encoder revolution	500mm			
Linearity	± 0.01% FSO	3mm	4mm	5mm
Resolution	HTL, TTL SSI, PB, CO	0.167mm (6 pulses/mm)		0.061mm
Temperature range	-20 ... +80°C			
Sensor element	incremental/absolute encoder			
Material	housing draw wire	aluminium coated polyamid stainless steel (ø 0.8mm)		
Wire mounting	eyelet			
Sensor mounting	slot nuts			
Wire acceleration	2g			
Wire retraction force (min)	12N	11N	11N	
Wire extension force (max)	22N	22N	24N	
Protection class	IP 65			
Electrical connection	HTL, TTL SSI PB/ CO	integrated cable, radial, 1m long flange connector, radial, 12-pin bus cover		
Weight	appr. 10kg	appr. 11kg	appr. 12kg	

FSO = Full Scale Output

Ordering code

FD200 - 30000 - CR - TTL
Output option: HTL TTL CO: CANopen PB: Profibus DP SSI
Connection: SR (Output SSI): radial plug CR (Output HTL, TTL): integrated cable, radial, 1m BH (Output CO, PB): bus cover
Measuring range in mm
Model FD200