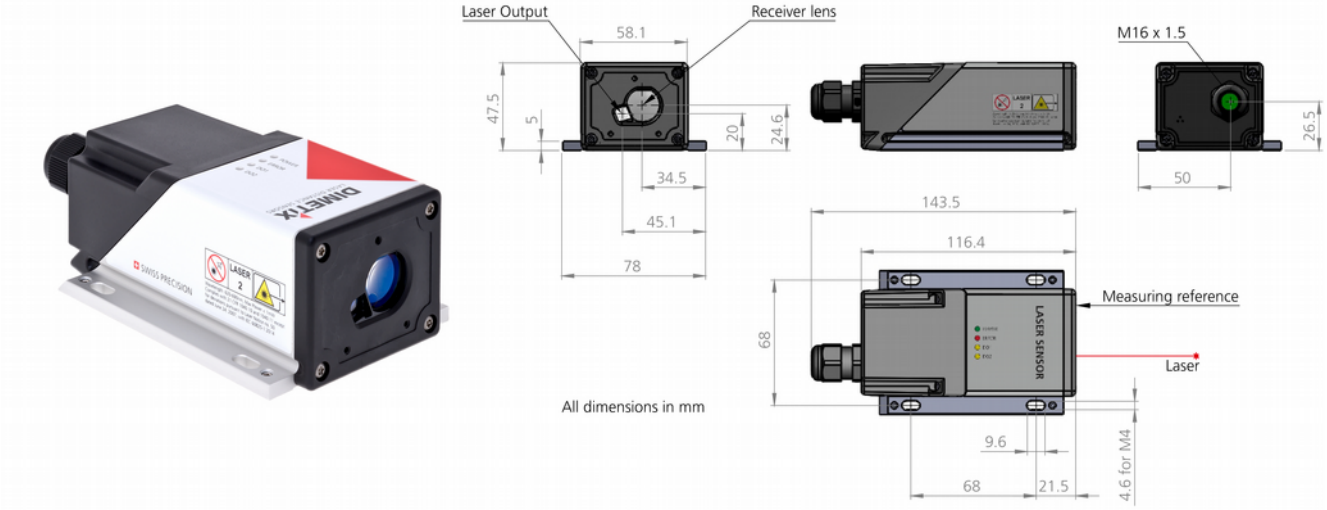
SWISS PRECISION

DIMETIX
LASER DISTANCE SENSORS

Laser Distance Sensors D-Series

Type DBN-50-050



Part No. 500635

SPECIFICATION	
Typical accuracy @ ±2σ (@ ±1σ)	±5 (±2.5) mm
Typical repeatability @ ±2σ (@ ±1σ)	±1.8 (±0.9) mm
Measuring range on natural surfaces	0.05...~50 m
Measuring range on reflective foil	
Max. measuring rate	10 Hz
Max. output rate	10 Hz
Operating temperature	-10...+50°C
Degree of protection	IP65
Power supply	12...30 VDC (0.15A @ 24 VDC)
Laser red, visible (Laser Class 2, <1mW)	✓
Typical diameter of laser dot @ 10, 50	7 x 3 mm; 28 x 13 mm
Dimension (L x W x H)	140 x 78 x 48 mm
Weight	350 g

INTERFACES	
Analog output, programmable	0/4...20 mA
Max. error analog output	±0.2 %
Digital input, programmable	1
Digital output, programmable / error display (Type: NPN, PNP, Push-Pull)	2 / 1
Serial Interfaces: RS-232	✓
USB, only for configuration	✓
Optional: PROFIBUS (external) / PROFINET / EtherNet/IP / EtherCAT	

CONNECTION	
Internal screw terminals	✓

Subject to change without notice. Further our General Terms and Conditions of Sale and Supply ("GTC") are valid.

LASER 2

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