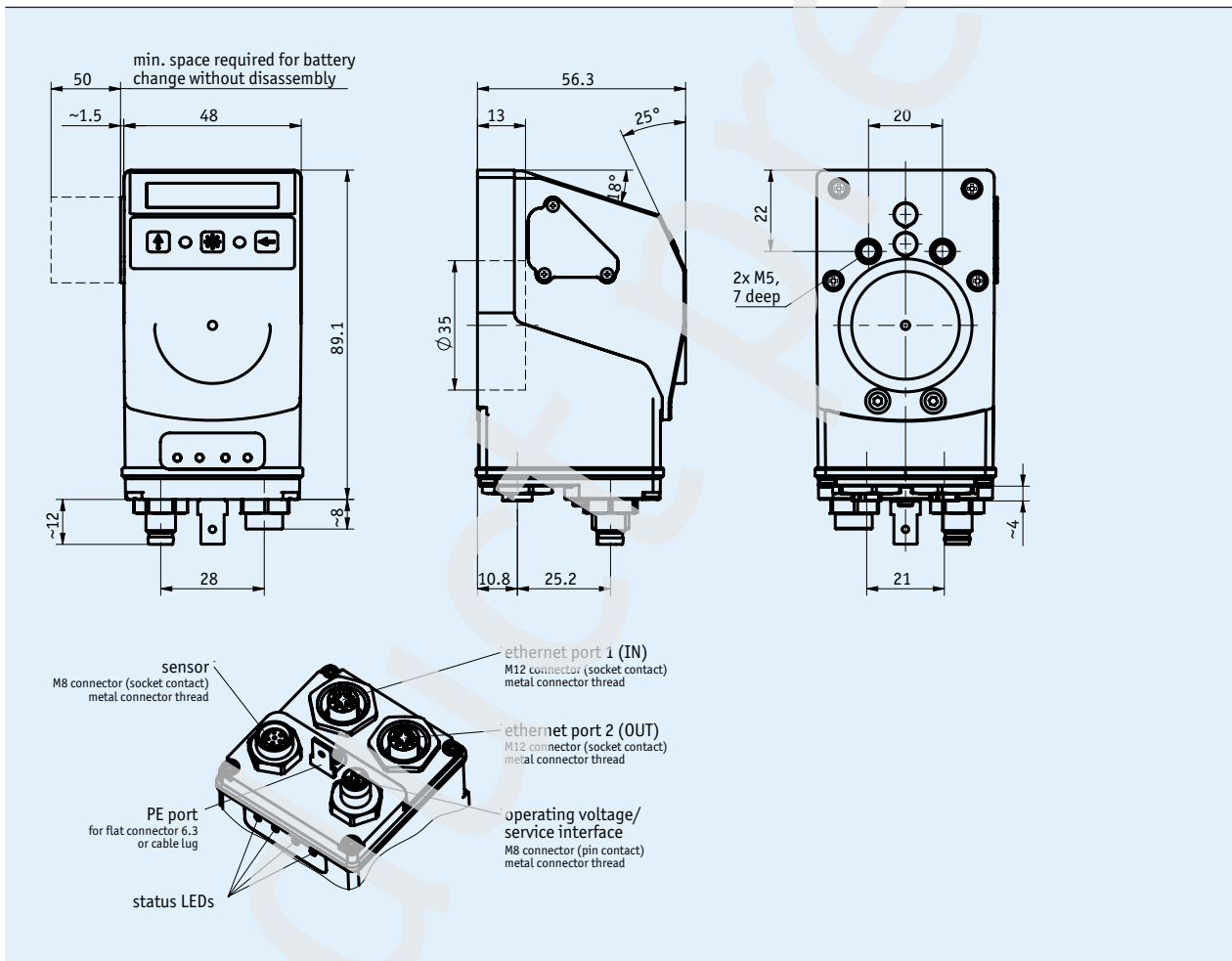


Profile

- Electronic position indicator with plug connection for magnetic sensor
- Integrated Industrial-Ethernet-Fieldbus
- Backlit two-row LCD
- Display of target and actual value displays with integrated alignment
- Display accuracy up to 0.01 mm
- Absolute function via internal backupup
- Robust sensor technology unit thanks to magnetic scanning
- User guidance through status LEDs
- IP53 type of protection, IP65 as an option



Mechanical data

Feature	Technical data	Additional information
Housing	reinforced plastic	Metal cover, plug thread, PE port
Color	black	
Speed	≤500 rpm	use with GS04

Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC $\pm 20\%$	reverse polarity protected
Current consumption	~35 mA	
Battery	internal battery for sensor "quasi-absolute", exchangeable	
Battery service life	~8 year(s)	
Display/display range	6-digit LCD 14-segment, ~8 mm high	2 rows, special characters (backlit LED red/white) -199.999 ... 999.999
Interface	Ethernet/IP, Profinet	future option: EtherCat, Powerlink
Type of connection	1x M8 4-pole operating voltage / service interface 1x M8 6-pole for connection with MS500H-PL or GS04 2x M12 socket (Ethernet port 1/2, DLR-capable)	

System data

Feature	Technical data	Additional information
Resolution	0.01 mm	use with MS500H
	720 increments/revolution	use with GS04
System accuracy	$\pm 35 \mu\text{m}$	use with MS500H
	$\pm 1^\circ$	use with GS04
Measuring range	$\pm 655 \text{ m}$	use with MS500H
	$\leq 14.562 \text{ revolution(s)}$	use with GS04

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 60 °C	
Storage temperature	-20 ... 80 °C	
Relative humidity		condensation inadmissible
EMC	EN 61326-1	industrial immunity requirements, class B emission limit
Protection category	IP53	EN 60529, with mating connector only
	IP65 as an option	EN 60529, with mating connector only
Shock resistance	500 m/s ² , 8 ms	EN 60068-2-27
Vibration resistance	100 m/s ² , 5 ... 150 Hz	EN 60068-2-6