CLV 410
Bar Code Scanner
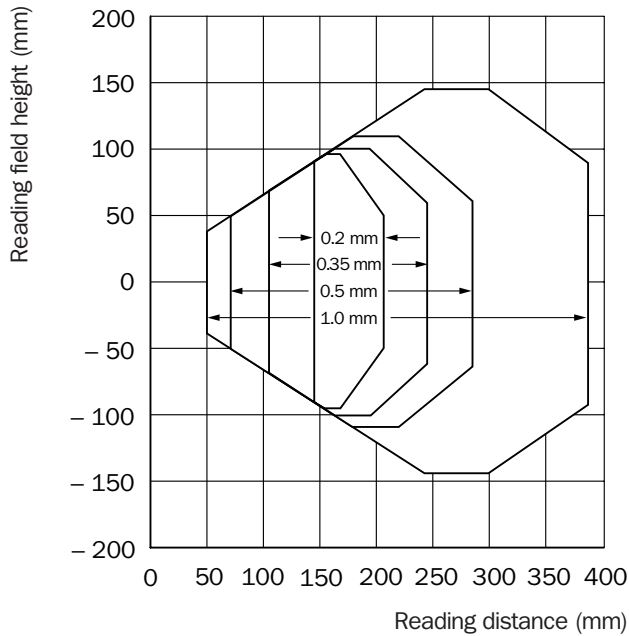## Standard line

The small powerful system

The CLV 410 marks the beginning of a new scanner generation that benefits from years of experience with the CLV 200 family. The optical concept of "Autocollimation", SICK's standard for high performance scanners, is now integrated into a housing with very small dimensions. Therefore, we now achieve excellent reading rates even in the worst environmental conditions involving ambient light and small module widths at very high reading distances.

Benefits:

- Easy to use
- Quick installation
- Minimized costs due to integrated functions
- Quick adaptation to your application
- Flexible integration even in highly sophisticated machines
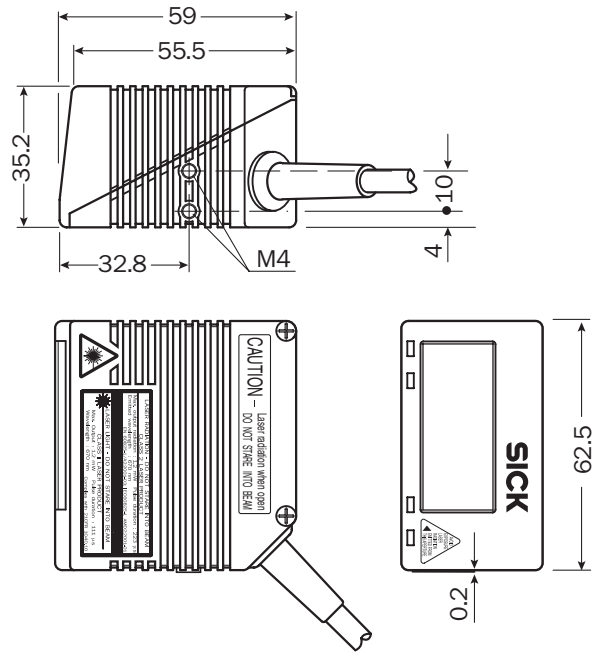- Highest availability
- High reliability

The CLV 410 at a glance:

- Reflector Polling generates an integrated trigger
- Profile Programming makes configuration easy
- AutoSetup for flexible adjustment
- Autocollimation guarantees high reading reliability

- Beeper reports the reading gate
- Power Supply tolerates a wide range of Input Voltage
- Compact Housing for tight fits
- Line Scanner and Raster Scanner option

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Reading conditions:

Test code:	code 39/ ITF
Print ratio:	2:1
Print contrast:	> 90 %

Technical data CLV 410

Scanner design	Line scanner, option: raster scanner
Light source	Laser diode, red light ($\lambda = 650$ nm – 670 nm)
Laser class	Class 2 (pursuant to EN 60825-1)
Ambient light compability	2000 lx (on bar code)
Scanning/decoding frequency	200 ... 800 Hz
Operation and parameterization	with command strings/profile programming/configuration software
Indicators	4 x LED status indicators
Data interface	RS 232/RS 422/485
Data transmission rate	300 ... 57 600 bd
Switching inputs/outputs	2 x IN / 3 x OUT
Operating voltage/power consumption	DC 5 V to 30 V/ max. 3 W
Housing	Die-cast zinc
Enclosure rating/protection class	IP 54 (to DIN 40 050)/ class 3 (to VDE 0106)
EMC test	to EN 61000-6-2, EN 61000-6-3
Weight	approx. 250 g
Temperature (ambient operating/storage)	0 ... +40 °C/–20 ... +70 °C

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