

Data sheet

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| Laser for detection emitting property | Infrared laser: 1 |
| Emitting property_Laser class | CLASS 1 |
| Emitting property_Wavelength band | 905nm |
| Emitting property_Max. pulse output power | 27W |
| Laser for installation emitting property | Visible light laser: 2 |
| Emitting property_Laser class | CLASS 3R |
| Emitting property_Wavelength band | 650 nm |
| Emitting property_Max. pulse output power | 4 mW |
| Min. size of the scanning target | OFF, 5, 8, 10, 15, 20, 25, 30, 35, 40 cm |
| Scanning frequency | 25 Hz |
| Response time | ≤ 50 ms + monitoring time |
| Monitoring zone | ≤ 5.6 × 5.6 m |
| Angular resolution | 0.25 ° |
| Aperture angle | 90° |
| Object reflectivity | Min. 2% |
| Korean Railway Standards | KRS SG 0068 |
| Weight | ≈ 0.8 kg (≈ 1 kg) |
| Power supply | 24VDC --- |
| Power consumption | < 10 W |
| Input | Photocoupler input: 1 H: ≥ 8 - 30 VDC---, L: ≤ 3 VDC--- |
| Output | PhotoMOS relay output: 2 Resistive load: 30 VDC---/ 24 VAC~, ≤ 80 mA |
| Vibration | Max. 2G (18.7m/s ²) |
| Shock | 30G/18ms |
| Environment_Ambient illumination | Sunlight: max. 100,000lx |
| Environment_Ambient temperature | -30 to 60 °C, storage: -30 ~ 70 °C (no freezing or condensation) |
| Environment_Ambient humidity | 0 to 95 %RH, storage: 0 to 95 %RH (no freezing or condensation) |
| Protection structure | IP67(IEC standard) |

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|-------------------------|---|
| Cable_Power, I/O | ∅ 5 mm, 8-wire, 5 m |
| Cable_Ethernet | 5 mm, 4-wire, 3 m, shield cable, RJ45 connector |
| Core | AWG26 (0.16 mm, 7-core), insulator outer diameter: ∅ 1 mm |
| Material | Case: AL, Window: PC |
| Communication interface | Ethernet |
| Sold separately | Main bracket: BK-LSE2, Sub bracket: BK-LSE2-SUB |
| Component_PC program | atLidar (laser scanner program) |