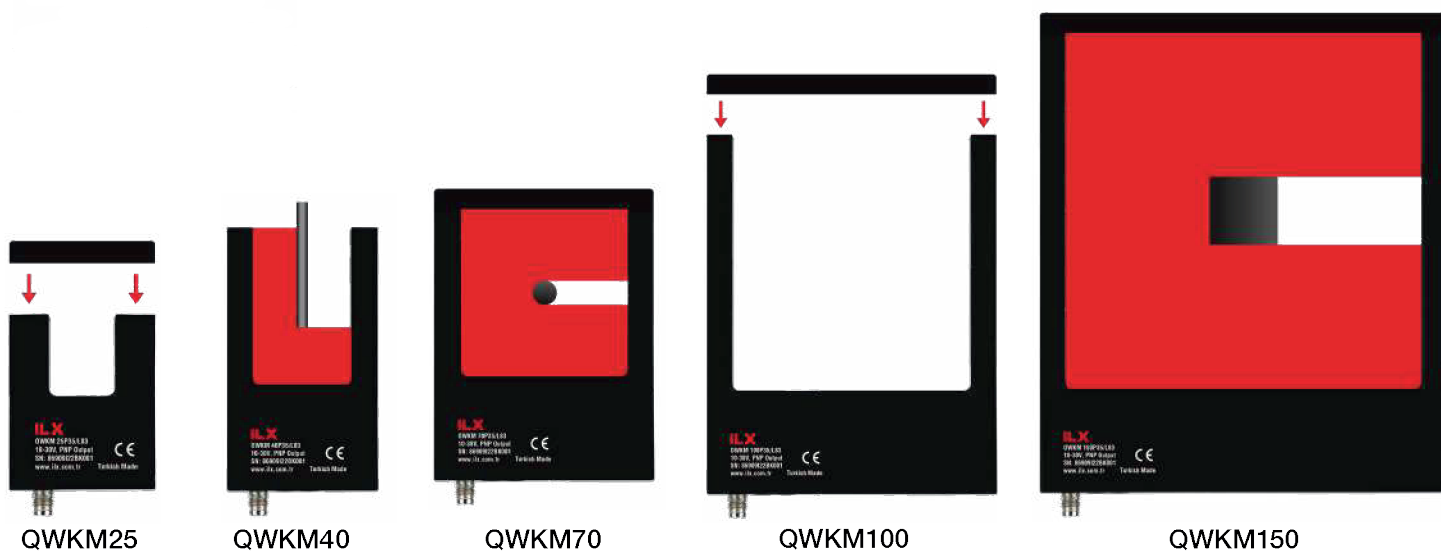


OWKM Series Frame Sensors



| Model | OWKM25 | OWKM40 | OWKM70 | OWKM100 | OWKM150 |
|--------------------------------------|--|--|--|--|--|
| Rated Operation Voltage | 18 ... 30 V DC | | | | |
| Resolution | Ø1.0 mm (static), Ø0.7 mm (dynamic) | Ø1.0 mm (static), Ø0.7 mm (dynamic) | Ø2.0 mm (static), Ø1.5 mm (dynamic) | Ø3.0 mm (static), Ø2.5 mm (dynamic) | Ø 5.0 mm (static), Ø 3.0 mm (dynamic) |
| Output Type | PNP/NPN (Factory Set) – NO/NC (Adjustable) | | | | |
| Sensitivity | Adjustable | | | | |
| Rated Output Current | 120mA | | | | |
| No-load current (max.) | < 45 mA | | | | |
| Inverse polarity protection | Yes | | | | |
| Short-circuit protection | Yes | | | | |
| Housing dimensions | 55x60x15mm | 70x110x15mm | 100x120x15mm | 130x150x15mm | 180x200x15mm |
| Material | Anodized Aluminum | | | | |
| Operating principle | Optical | | | | |
| Evaluation | Switching, Dynamic/static switchable | | | | |
| Operating modes | Static, Dynamic, Shadowing | | | | |
| Interface | | | | | |
| Switching output | Push-pull, 100 mA, NO/NC, switchable | | | | |
| Voltage drop (max.) | 2 V | | | | |
| Pulse stretching | 0 ... 150 ms adjustable | | | | |
| Light source | Infrared LED | | | | |
| Detection range | 25x22mm | 40x49m | 70x62mm | 100x92mm | 150x142mm |
| Response time | 0.05 ms | | | | |
| Release time | 0.05 ... 10000 ms | | | | |
| Ambient temperature during operation | -25 ... +60 °C | | | | |
| Protection type | IP 65 | | | | |
| Connection | M8, 4-pin Connector or Cable | | | | |