



MC9000

Heavy Duty Fork Camera

Heavy-duty fork camera MC9000

The MC9050 is fitted to the inside of the fork, meaning it is always at the same level as the pallet. The pinhole lens and the associated pin-prick sized opening in the casing reduced the risk of wire mesh crates or pallets damaging the lens.

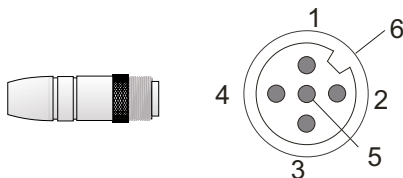


Key facts

- Robust stainless steel housing
- State-of-the-art image electronics (CMOS image sensor)
- High shock resistance
- Installed inside the fork
- Safe and quick pallet handling
- Highest protection class IP69K
- Pinhole lens (3 mm)
- High sensitivity to light
- Built-in heater for use inside refrigerated warehouse
- Screen made of scratch-resistant plastic for use in the food industry

Plug-in connection

M12, 5-pin,
Code A



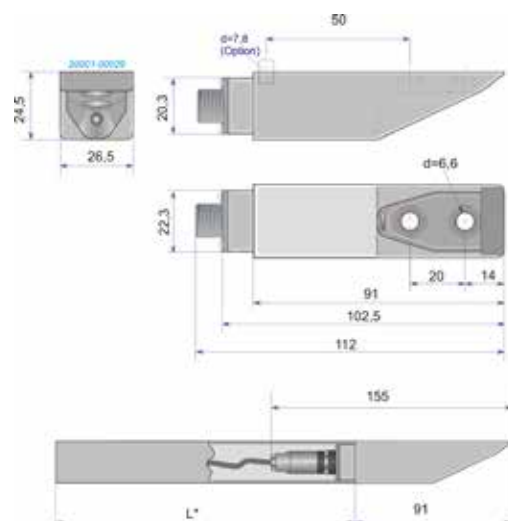
Pin	Function
1	Video
2	Mirrors
3	Power
4	GND
5	Video earth connector
6	Outer shield

Standards/certificates/quality seals

- EN 12895
Industrial trucks



Dimensions (mm)



L*-Length of camera extension depends on fork-arm length

Technical Data

■ Image sensor

Energy-efficient automotive CMOS sensor (1/4", 350,000 pixels, active PAL resolution H 640 × V 480) with numerous intelligent functions such as automatic white fader and automatic exposure and brightness control, fault detection and pixel error correction, flicker suppression, high dynamic range (73 dB), high S/N ratio (46 dB) and high sensitivity to light (< 0.2 Lux); programmable overlays are available

■ Image

30° and 50° horizontal image angle equal to 38° and 60° diagonal image angle (depending on model, additional image angle upon request), permanently mirrored version available

■ Housing protection class

Immersion and jet cleaning-proof (IP69K) in accordance with ISO 20653 and IEC 60529

■ Voltage supply

12 V DC ±10%

■ Electrical interference immunity

Interference immune design compliant with the following industry standards: EN 61000 and EN 12895

■ Weight

0.3 kg

■ Operating temperature

-40 °C...+80 °C

■ Storage temperature

-40 °C...85 °C

■ Housing

Robust stainless steel housing (VA 1.4305) to protect against inclement weather conditions

■ Mechanical load capacity

Robust mechanical design, especially designed for heavy-duty applications, shock- and permanently shock-resistant up to 100 g, vibration-resistant up to 10 g acc. to DIN EN 60068

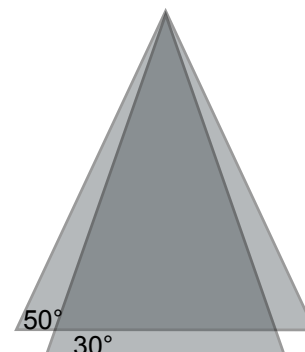
■ Power consumption

Environmentally conscious and energy-efficient electrical circuit with < 0.5 W

Scope of delivery

Fork camera MC9000	404 0060 000
Operating instructions	103 0000 108
Bolt set	406 0194 000
Camera bezel adapter	Optional

Horizontal angle of view



Schematic diagram

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