

SIL 3 SAFETY DEVICE WITH VISIBLE LASER EMISSION MSD



TECHNICAL FEATURES:

ELECTRICAL DATA

- Transmitter power supply: 15Vac - 24Vdc
- Receiver power supply: 15Vac - 24Vdc
- Consumption: 10 W
- OSSD outputs made with 2 A guided contact relays for 24 V dc / ac

OPTICAL DATA

- 670 nm visible laser light source
- Optical power emitted not exceeding 1 mW
- Divergence of the beam about 0.35 mrad
- Receiver acceptance angle $\leq 4^\circ$ total
- Diameter of the laser beam at the TX output = 6 mm (on request = 3 mm)
- Maximum operating distance in standard atmosphere 10 m

GENERAL DATA

- Response time ≤ 15 ms
- Tripping time ≤ 5 ms
- Detection capability ≥ 6 mm
- Degree of protection of the enclosures: IP 65
- Self-test period: 1 ms
- Operating temperature 0°C 50°C
- Overall dimensions of the TX (excluding cable gland): 141mm X 128mm X 72mm
- Dimensions of the RX (excluding cable gland): 141mm X 128mm X 72mm
- Mass of the TX: about 695 g $\pm$ 5 g
- Mass of the RX: about 765 g $\pm$ 5 g

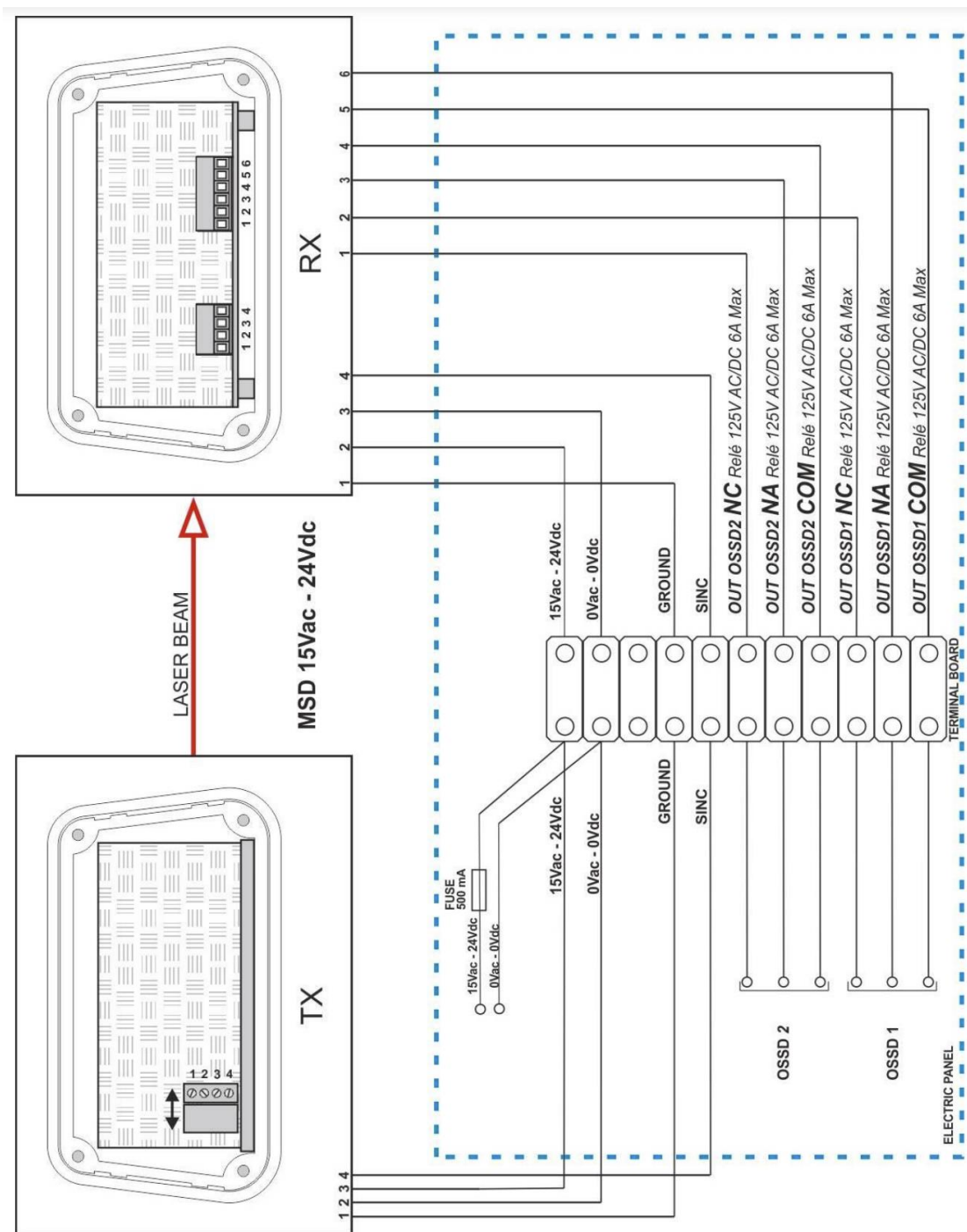
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ELECTRICAL CONNECTIONS DIAGRAM



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