XRF-RD.A

Receiver to XRF wireless transmission system

Receiver with two safety outputs and two inputs for stationary sensors, programmable; external antenna

**Mechanical data**
- **Housing**: DIN (for 35 mm DIN rail mounting)
- **Material**: PA red / grey
- **Dimensions (W x H x D)**: 22.5 x 94 x 91 mm
- **Type of connection**: Pluggable screw terminals (0.08 – 2.5 mm²)
- **Weigh**: 100 g

**Electrical data**
- **Supply voltage**: 12–36 V DC; 12–36 V AC, 48–62 Hz
- **Power consumption**: < 1 W
- **Input for stationary edges**
  - **Thresholds**: 2 (8.2 kOhm) / 6 kOhm / 12 kOhm
- **Test input (for Cat. 2 applications)**: Uth > 10 V AC/DC, < 11 mA @ 36 V
- **Safety outputs**
  - 2 (each with 2 relays)
  - 36 V AC/DC, 1 A
  - NO (with parallel resistor 8.2 kOhm) / NC (with 1A fuse)
- **Display**: LCD illuminated and LED bicolor
- **Joystick (for configuration: pairing and inputs)**: 5 positions

**In combination with XRF transmitters**
- **Number of supported sensors**: Max. 14 (stationary sensors included)
- **Range**: 60 m at optimum conditions
- **Reaction time**: Typ. 15 ms
- **Communication**: Bidirectional
- **Operating frequency**: 868.3 MHz
- **Radiated power**: < 10 dbm / 10 mW
- **Low battery indication**: Acoustic, optical and electrical
- **Output “battery low”**: Solid state relay 36 V AC/DC, 100 mA

**Approvals**
- EN 300 220, EN 301 489
- EN ISO 13849-1 (PLd, Cat.3, MTTFd 132 y) Test input for Cat. 2 applications

**Ambient conditions**
- **Protection category**: IP20
- **Operating temperature**: -20°C to +60°C
- **Storage temperature**: -40°C to +70°C
- **Rel. air humidity**: < 95%, non-condensing

**Box contents**
Receiver, 6 instruction manuals (DE, EN, FR, IT, NL, SV)

**Dimensions**