

XRF-RD

Part No. 407684

DATASHEET

Receiver to XRF wireless transmission system

Receiver with two safety outputs and two inputs for stationary sensors, programmable
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 mm ²)
Weight	100 g

Electrical data

Supply voltage	12–36 V DC; 12–36 V AC, 48–62 Hz
Power consumption	Max. 1 W
Input for stationary edges	2 (8.2 kOhm)
Thresholds	6 kOhm / 12 kOhm
Test input (for Cat. 2 applications)	U _{th} > 10 V AC/DC, < 11 mA @ 36 V
Safety outputs	2 (each with 2 relays)
Details	Max. 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 max. 36 V AC/DC, 100 mA

Approvals

EN 300 220, EN 301 489	
EN ISO 13849-1 (PL d, 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
