

DATA SHEET WGS - B 1 2 8 2



Wireless Gateway System for safety sensors: WGS

General technical Data

Transmission	2.4 GHz radio transmission
Application	Sliding doors
Housing type	Surface Mounting
Weight	0.3 kg
Housing Material	Polycarbonate (PC)
Operation Temperature	-20 °C to +55 °C
Protection Class	IP65
Housing Dimensions	130x94x60 mm
Max. Number of Satellite units per Gateway	3
Max. Transmission Distance	10 m (33 ft)

Safety Properties

Safety Category	Cat. 2 PL c (EN 13849-1) Excluding NOC output - In Progress
Power Saving Modes:	Permanent active Activated by gate control
MTTFd	131 years
Diagnostic Coverage DC	> 60%

Electrical Data

WGS-R 1282 (Gateway)

Output	Safety Edge: 2x 8k2/ NCC ¹ / NOC ²
Input	Test
Max. Switching Voltage	30 V for NCC/NOCC/8k2
Max. Switching Current	1 A ³ for NCC/NOCC/8k2
Supply Voltage	10 – 30 VDC
Current Consumption	Typically, 30 mA at 12 VDC

WGS-T 1112 (Satellite) x 2

Input Type	Safety Edge: 4x 8k2 (2x 8k2 per Satellite)
Battery	3.6 V (ER 26500)

¹ Normally Close Contact (Relay)

² Normally Open Contact (Relay)

³ We recommend using 1A fuse