

# Datasheet

**Nexus MIFARE reader for integration behind reader window or shield (MW)**  
**Nexus Prox reader for integration behind reader window or shield (PW)**



Nexus MW, PW

Technical data													
Supply voltage	Min 9V DC – Max 15V DC												
Typical supply current	From 72mA at 14V DC, 1W												
Peak current	150mA at 14V DV, 2.1W												
Communications	RS485 port, using MODBUS protocol with encrypted data.												
Transmit frequency	MIFARE readers: 13.56 MHz Mifare-NFC card reader Prox readers: 125 kHz EM-Marine proximity card reader												
Operating temperature	-20°C to +70°C												
Storage temperature	-45°C to +85°C												
Wiring and cable installation													
Cable length	3 m												
Max. cable distance from central	200 m, see cable specifications in INS16xx for details												
Wiring:	<table border="0"> <tr> <td>Orange</td> <td>+</td> <td>9-15V DC input</td> </tr> <tr> <td>Orange/White</td> <td>-</td> <td>Ground</td> </tr> <tr> <td>Green</td> <td>RA</td> <td>RS-485 BUS</td> </tr> <tr> <td>Green/White</td> <td>RB</td> <td>RS-485 BUS</td> </tr> </table>	Orange	+	9-15V DC input	Orange/White	-	Ground	Green	RA	RS-485 BUS	Green/White	RB	RS-485 BUS
Orange	+	9-15V DC input											
Orange/White	-	Ground											
Green	RA	RS-485 BUS											
Green/White	RB	RS-485 BUS											
Features													
For info-module or stainless steel shield	Yes												
LED indicator	Two colour: red for locked door and green for open door.												
Buzzer	Short beep if access is granted and a longer error beep if otherwise.												
Reading distance - ISO card	Typical 40 mm												
Reading distance - tag	Typical 20 mm (Prox: typical 30 mm)												
Anti-sabotage protection (Tamper switch)	Optical, integrated												
Possible to secure with vandal shield	Yes												
Housing													
Size	W: 56mm × H: 56mm × D: 12mm												
Recommended mounting height	130 - 160 cm												
Housing	Self-extinguishing material PC-ABS (V0)												
IP protection	IP65												
Colour	Black												
Weight	165g												