

DAT8122-EN

Nexus readers: 802-000-6x10
(MIFARE and Prox)

Datasheet

Nexus MIFARE/Prox reader for integration behind reader window or shield with
external keyboard connector (MKW/PKW)

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																																			
Keyboard connector	10 pin																																			
Wiring and cable installation																																				
Cable length	3 m																																			
Max. cable distance from central	50 m, see cable specifications for details																																			
Keyboard matrix	<table border="1"><tbody><tr><td>8</td><td></td><td></td><td>#</td><td>9</td><td>3</td><td>6</td></tr><tr><td>7</td><td></td><td></td><td>0</td><td>8</td><td>2</td><td>5</td></tr><tr><td>6</td><td></td><td></td><td>*</td><td>7</td><td>1</td><td>4</td></tr><tr><td>*1</td><td>L</td><td>R</td><td></td><td></td><td></td><td></td></tr><tr><td>pin</td><td>2</td><td>3</td><td>4</td><td>5</td><td>9</td><td>10</td></tr></tbody></table>	8			#	9	3	6	7			0	8	2	5	6			*	7	1	4	*1	L	R					pin	2	3	4	5	9	10
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Wiring:	Orange + 9-24V 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 color: 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		
Color	Black		
Weight	165g		