

## PROX'N'DRIVE VULOG

### LOW POWER CONTACTLESS COUPLER



Prox'N'Drive is an ISO 14443 (A,B & B') and Mifare contactless reader/writer. Featuring an innovative low power card detection system and designed to be installed behind a windscreen or a window, it is the ideal coupler for car-sharing applications.

#### KEY FEATURES

Being both compact and flexible, Prox'N'Drive is ideal for in-vehicle application. A single cable conveys both single 12V DC power and the RS-232 interface. The front panel shows 3 high-luminosity LEDs for user information. The low power card detection system make it possible to put both the reader and its host system in deep standby mode until a contactless card, RFID tag or NFC object is waved other the antenna. The reader is customizable with your logo.

#### A FEW TYPICAL APPLICATIONS

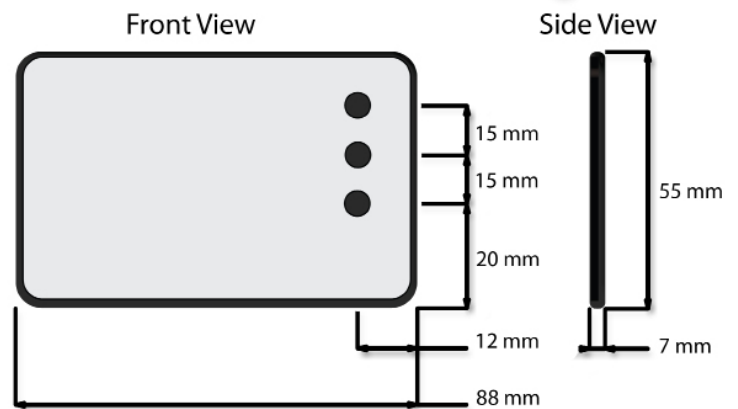
- Car-sharing
- Battery-powered kiosks
- Active display windows

#### SPRINGCARD & PRO ACTIVE

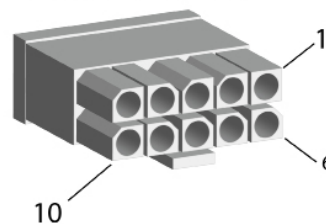
Established in 2000, **Pro Active** is an innovative provider of smartcard-related solutions, and one of the leaders on the contactless-reader market.

**SpringCard** distributes **Pro Active's** contact and contactless products worldwide, under a single brand name.

#### MECHANICAL CHARACTERISTICS



Molex 43025-1000



PIN Assignments

PIN	Assignment
1	HOST_WAKEUP
2	\RESET
3	\FLASH
4	GND
5	RFU
6	PWR
7	RS232 OUT
8	RS232 IN
9	GND
10	RFU

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A PRO ACTIVE BRAND

**Pro Active**

# PROX'N'DRIVE VULOG

## LOW POWER CONTACTLESS COUPLER



### TECHNICAL SPECIFICATIONS

#### Contactless smartcard interface

Standards	ISO/IEC 14443 A, B and B'
RFID carrier	13.56 MHz
Operating distance	up to 8 cm depending on card and on environment
Card baud rate	106 kbps

#### Supported cards (partial list) :

- NXP (Philips) MIFARE Classic & UltraLight
- NXP (Philips) DESFIRE, SmartMX, ProX
- Calypso (CD97, CD21, GTML, etc)

And virtually any ISO/IEC 14443 A or B compliant smartcard

#### Environment and safety

Operating temperature	-20°C → +70°C
Storage temperature	-40°C → +85°C
MTBF	500 000 hours
CE mark	EN50082 / EN55022 class B
Other standards	RoHS, FCC pending

#### Power supply

3,3V to 24V DC

		3,3V	5V	12V	24V
Consumption	Standby	1545µA	970µA	530µA	305µA
	Typical	105µA	75mA	50mA	35mA
	Maximum	210 µA	145mA	70mA	50mA

#### Serial Interface

Connector	RS-232
Power supply	3,3V to 24V DC/DC
Baud rate	38400 or 115200 bps

#### Software

API and SDK	SpringProx API - Free SDK available API compliant with existing products (CSB4, K531, K632, K663...)
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#### Hardware specifications

Dimensions (LxWxH)	88 x 55 x 7 mm
Housing material	ABS - 94VO
Weight	75 g
Cable	100 cm
Connector	Molex 43025-1000



#### Self Adhesive foam

color	black
width	0.9mm
temperature	-40°C → +120°C
Resistant to : water, alcohol, detergent	

### ORDER CODES

PART #	Description
EX2063	Prox'N'Drive Vulong

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PRO ACTIVE company with a capital of 227 000 €  
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