



KEYLESS SYSTEM

COMFORTABLE, SECURE, INTEGRATED,
CUSTOMIZABLES, CONNECTED



KEYLESS SYSTEM

COBO Keyless System is an electronic device who improves recognition of a user of the machine, simply approaching the machine or touching the door handle and pressing the start button.

Could be integrated into COBO complete system solution with benefits of: security against thefts, safety avoiding misuse, user comfort setup.



Automatically identify the user in order to increase efficiency



Increase security from theft for the vehicle



Reinforces the integrated COBO Ecosystem solution



Connected with Smartphone and bluetooth COBO solution



Via CAN and VT3 with our systems such as SKC, Seats, Armrest and Intouch



Description	P/N
Keyless system Business	1108003
Keyless system Comfort	1109190



SMART IGNITION CONTROL

recognition



INTELLIGENT KEYFOB
Low consumption



RANGE EXTENDER
Active antenna

COBO APP



SMARTPHONE
SDK "Key assistant"



PASSIVE KEY DUPLICATOR
Small and portable

NFC+BLE

Passive Entry and Passive start (PEPS)

Proximity battery-less operation

Robust/comfortable design

Replaceable battery

Redundant Start/Stop Button

Logos and Buttons customizable

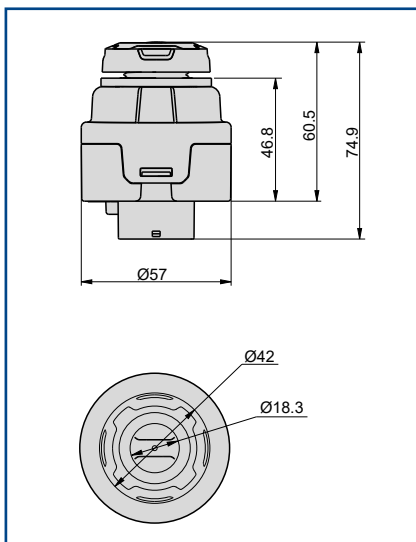
Smartphone as a key («Key Assistant»)

Mature technology with expected support in mid-long terms

ECU KEYLESS TECHNICAL DATA

Microprocessor	Arm 32-bit Cortex-M33
Space available for the VT3 Software	192kB
Power supply voltage range	+6..+32VDC
Total power output current max	1A on each DOH pin - 4A on the total of the 4 DOH pins
Digital high side outputs	Configurable as analogue/digital inputs 0V..32V
Digital / Analogue inputs	0V..32V
CAN-BUS line	2.0B high speed, (11 or bit identifier), ISO 11898-2 compliant
Bluetooth	5.2
NFC	NFC-V, 13.56MHz, ISO15693 compliant
Clamping system	Plastic nut, M25
Panel sealing system	Gasket
Operating temperature	-40°C..+80°C, compliant to ISO IEC60068
Storage temperature	-40°C..+85°C, compliant to ISO IEC60068
ECU Keyless protection grade	IP66, IP67, compliant to IEC 60529
Protection grade expected with proper installation	IP66, compliant to IEC 60529
Weight	97g
Max number of associable keys	n.16
Max number of associable antennas	n.4
Start / Stop button	Backlight button, configurable color via software
Digital / Analogue inputs	Configurable as wake up sources
Case material	PA6 30%GF, POM, ABS
Sealing material	EPDM

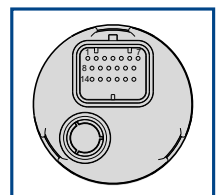
DIMENSIONS



CONNECTOR

26-PIN Superseal Connector
(5-6447223-0)

Integrated directly into the plastic case



PIN	NAME	DESCRIPTION	TYPE
1	VBAT	Positive power supply	A
2	GND	Negative power supply	B
3	IN0	Digital/analogue input 0	F
4	DOH0	High side digital output configurable as Input/Output 0	C
5	IN1	Digital/analogue input 1	F
6	DOH1	High side digital output configurable as Input/Output 1	C
7	IN2	Digital/analogue input 2	F
8	DOH2	High side digital output configurable as Input/Output 2	C
9	CANH	CAN Bus High	E
10	DOH3	High side digital output configurable as Input/Output 3	C
11	CANL	CAN Bus Low	E
12	BUTTON 0	Button output 0	D
13	BUTTON 1	Button output 1	D



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