

BAK-Q80, BAK-Q60

Fuel filler security

Data Sheet v1.0
2017-08-22



- Fuel filler access monitoring
- Plug module
- Anti-theft strainer module
- No maintenance required for 3 years

Physical properties

BAK-Q80

Cap radius, mm	122
Width, mm	57
Strainer radius, mm	64
Connection Housing	DIN Plastic (Cap), Steel (Strainer)

BAK-Q60

Cap radius, mm	122
Width, mm	71
Strainer radius, mm	46
Connection Housing	DIN Plastic (Cap), Steel (Strainer)

Contacts

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Technical specification

Power supply	8 V – 32 V DC, max 35 V
Current draw	35 mA
Working temperature, °C	-25 ~ +75

Pinout

FM Device side	Fuel filler security side	Description
Red	Red	Power supply +24 V
Black	Black	Ground
Pink	Grey	Any DIN
Not in use	Green	PortC-485 A
Not in use	Yellow	PortC-485 B

Plug module

Both BAK-Q80 and BAK-Q60 models work by monitoring the presence of the transponder, situated in the fuel plug over the plug module. The plug module can be connected to the FM device via the DIN connector. This way the information whether the fuel tank is open or closed will be sent to the server (If configured). When the fuel plug is opened, the system interprets that the output state has changed.

Anti-theft strainer module

The anti-theft strainer module consists of a pipe with perforated walls and bottom. The shape of the bottom and the holes has been designed as not to obstruct the fuel filling operation, while at the same time it protects from fuel theft.

Legal information

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