

# Add-ons for S5 and S6 Feature Connector „FC KLine“

Subject to alterations



Pictures may differ from original product.

## Feature Connector add-ons

To adjust and enhance the programmable devices S5 CommPro and S6 TrackPro it is possible to implement expansion modules at an internal interface. These interfaces are called Feature Connector (FC). The add-ons enter the prefix FC accordingly.

Every FC board has an own protocol processor where the specific firmware for the add-on and the firmware for the proprietary STS protocol is implemented. At this processor complete protocol stacks are implementable.

The specifics of interfaces which are encapsulated in API plug ins are available for programmer. This board firmware has to maintain via GSM interface like the firmware at the mainboard. The FC boards are made stackable, so that several add-ons can be assembled at a S5 or S6 board. To use these boards normally a housing adaption for realisation of external connection of the add-ons has to be implemented. If required customer specific add-ons can be developed.

## Feature Connector „FC KLine“

FC KLine is a dual interface for the 1-wire bus of the data transmission in the automotive engineering according ISO 9141 and ISO 14230-1. FC KLine was developed from sitec systems GmbH for their devices S5 CommPro and S6 TrackPro as well as optimised for the connection to digital tachographs. The 2-channel-KLine interface is used at sitec systems bundle TachoConnect®. Here a channel 0 is optimised for the connection at a D8 interface of a digital tachograph. Channel 1 corresponds the ISO 9141 and ISO 14230-1 standard.

Channel 0	1200, 1195 Baud, 2 Stopbits 9600, 10400, 19200, 28800 Baud, 1 Stopbit
Channel 1	9600, 10400, 19200, 28800 Baud, 1 Stopbit
Current limitation	60 mA
Signal level	-24V..+36V
Stimulation	“Fast” / 5 Baud

## Information and contact

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