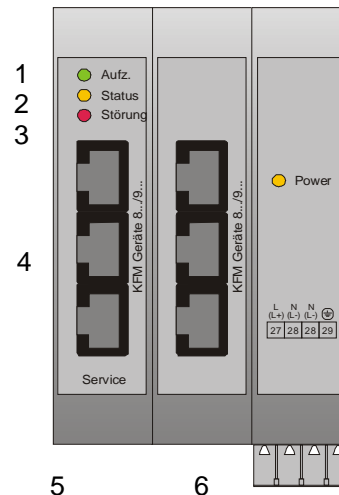_____

1　Aufz.
2　Status
3　Störung

4　Power

1 Green LED for indication data recording
2 Yellow LED for operation mode indication
3 Red LED for malfunction indication
4 Interfaces for KFM devices
5 Own Service interface
6 Optional interface module

KFM Geräte 8.../9...　KFM Geräte 8.../9...

L　N　N
(L+) (L-) (L-)
27　28　28　29

Service

5　　　　6

General description:

The KFM 834 data logger product line is used for the continuous recording and storage of operational data of KFM devices like controllers KFM 9.., malfunction alarm displays / alarm panels KFM 82 via a serial interface. Additional analogue and digital data can be handled optionally.

The devices are modular in structure, for mounting on DIN rail. The hardware basic version consists of the CPU-module 834100. and a power-module 85250. and includes 3 interfaces for connection of up to 3 KFM devices. Optional equipment: interface modules for further devices.

The Windows programs DCSLOG for reading the stored data by PC (locally or via modem) and LOGSET for changing the logger parameters are included in delivery. The adapters Type KFM 99szks2 / 4 / u have to be used for the logger`s service interface.
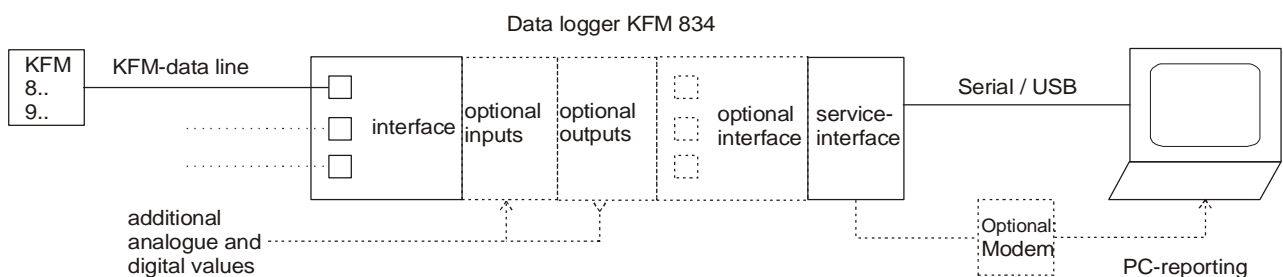
In maximum 24 analogue tracks are available.The recording period is limited by the memory capacity, the number of activated tracks and the recording cycle (example: with 4 analogue tracks and a recording cycle of 2 minutes the recording period will be about 18 days).

A ring buffer effects continuously the overwriting of the oldest stored data when the max. memory capacity is reached.Optionally an alarm contact can signalise the achievement of a certain memory utilisation ratio.

The devices are modular in structure, consisting of functional- and power supply module, alternatively type version .._i can directly be used with the power supply of already existing KFM-assemblies, e.g. series 8…

Optional equipment: Input modules for analogue and binary input for direct recording, independent from connected KFM-devices, as well as signalising modules with relay outputs (pot. free change-over contacts).

Flow chart:

Data logger KFM 834

KFM 8.. 9.. — KFM-data line — interface — optional inputs — optional outputs — optional interface — service-interface — Serial / USB — PC-reporting

additional analogue and digital values

Optional Modem

Type summary:
CPU-module:

834100	Basic model
834130	Basic model, additional interfaces expandable via bus plug

Device variants (last number)

.i	Functional module for connecting power supply of already existing KFM-assemblies *(type 834100 only)*

Power supply module:

852500	Power supply module 100-250V AC
852508	Power supply module 24V AC / DC

Interface module (optional):

834030	3 x KFM interfaces for connection, connection to CPU-module via bus plug

Interfaces:

3 x KFM-devices, (optionally expandable via interface module) baudrate 9600,19200 and 38400 bit/s, connection via enclosed connecting cable.

1 x service, transfer rate 38400 bit/s for operation, data transfer and configuration.
Connection via external interface adapter for RS232, RS485 or USB (KFM-Type 99szks2 / 4 / u) resp. without access to stored data for Profibus (KFM-type 99spde.) or Modbus (KFM-type 99sm.).
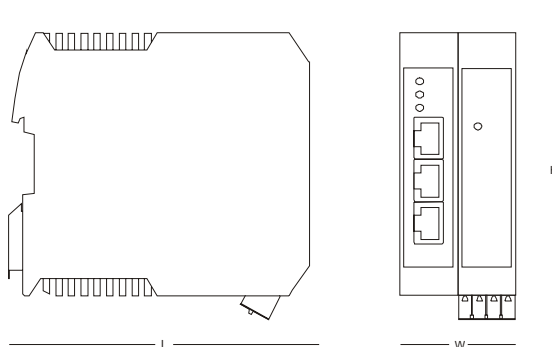
Technical data:

Power supply:	100..250 VAC, approx. 12 VA, alternative 24V AC / DC, approx. 12 VA
optionally: binary inputs:	230 VAC, approx. 2 mA, alternative 24VDC, approx. 2 mA
optionally: relay outputs :	230 V / max. 2 A

Other data:

Housing:	For DIN rail
Installation orientation:	vertically, locking tab points downward
Type of protection acc. EN60529:	IP20
Permissible ambient temperature:	0...60°C,
Nominal temperature:	20°C
Relative humidity:	<= 75 % yearly average (according to EN60529), no condensation
EMC:	according to EN 61326

Dimensions (hardware basic version)

H= 124mm, W = 45mm, L = 116mm

Wiring diagram: (Example, valid for each delivered controller is the wiring diagram on its casing only.)