



SICLIMAT™

SICLIMAT FSK modem**FSKMOD**

The SICLIMAT FSK modem is used for long-distance signal transmission by bus cable, and to allow redundant connection of bus segments.

Use

The modem converts the information packets from the PROFIBUS in accordance with the IEC 61 158/ EN 50 170 standard into FSK signals. The process supports a bus structure, on both the PROFIBUS and the FSK side.

Distances up to a maximum of 14 km can be bridged with a two-wire twisted-pair cable.

Transmission over the public telephone network is not permitted.

Switches are provided on the front plate for the following:

- Level reduction to prevent crosstalk during transmission in parallel with analogue voice cables
- Change-over to redundant transmission. This makes it possible to establish redundant connections between bus segments (e.g. PROFIBUS) over long distances. Transmission is in half-duplex mode. With redundant transmission, a bus structure on the FSK side is not possible.
- Baud rate change-over, to adapt the baud rate to the distance to be bridged.

Ordering

When ordering, please specify the quantity, product name and type code.

<i>Type</i> FSK modem	<i>Order No.</i> 6FL4301-3CA11	<i>Specification No.</i> 28/300101
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Technical data

	Type	Alarm modem
Data	Housing	Aluminium housing for snap-mounting on 35mm DIN rail
	Range (max.)	14 km / 10 km with twisted-pair cable 2 x 0.8
	Method of transmission	Transmission over 2-wire cable, half duplex Optionally: via redundant 2-wire cable, half duplex On installation cable side, transmission in FSK (Frequency Shift Keying Modulation)
	Baud rate	9600 baud / 19200 baud
	Range (max.)	14km / 14 km / 10 km with twisted cable 2 x 0.8
	Transmission level	-6 dB and ± 0 dB, switch-selected
Connections/interfaces	Supply voltage	24V DC (-25...+40%)
	Current consumption	Max. 0.25 A
	Bus connection	RS485 cable connected via screw terminal Installation cable (FSK side) connected via screw terminal
Dimensions/weight	Dimensions (H x W x D)	170 x 106 x 51mm
	Weight	0.47kg
Product safety	Meets the requirements for CE marking	