



VIVAVIS Compact Modem

Frequency Shift Key modem FM11A

The VIVAVIS Compact Modem device is compatible with all telecontrol devices IDS 850, IDS 650, IDS 640, ACOS 750 and ACOS 730 as well as with a wide range of devices offered by other manufacturers. The design corresponds to that of the IDS 640 telecontrol device; likewise, the compact modem devices can be mounted in the cabinet on a DIN top-hat rail.

Optionally, the voltage can also be supplied via a modular mounting rail bus, thereby enabling the supply of several FM11A modules via external power supply and facilitating the wiring of the voltage supply.

LEDs on the front show the status of modem and peripherals.

Frequency Shift Key modem FM11A

- transmission of data via private or public connection with analog connection points
- serial communication interface with RJ45 connector which supports the V.24/V.28 mode of operation in DCE configuration
- trunk line connection either via quadruple-deck terminal block or 6-pin RJ12 socket
- Digital output for the evaluation of the DCD carrier

VIVAVIS Compact Modem - Technical data

General	
Assembly / dimensions	Polyamide housing suitable for mounting on a DIN rail / W22,5 x H105 x D115 mm
Input voltage U_{In}	24 ... 60 V DC (+/- 20 %)
Total capacity	5 VA max.; 2.5 VA typ.
Insulation test	Acc. to IEC 60255-5
Power-frequency withstand voltage	2 kV AC; 50 Hz; 1 min (1.5 kV to trunk line)
Surge voltage	5 kV, 1.2 / 50 μ s; 0,5 J
Ambient conditions	Ambient temperature -20 ... 65° C; Air humidity < 95% (non-condensing); Altitude: max. 2000 m
Interfaces	Serial communication interface RS232 (COM) Service and parameterization interface RS232 (Service) Trunk line connection (Line)
Digital inputs	Rated signalling-circuit voltage 24 ... 60 V DC, Input current 1.5 mA typ.
Digital outputs	Switching capacity 24 ... 60 V DC, Switching current 300 mA max.
Modem data FM11A	
Transmission speed	150 Bit/s ...1200 Bit/s
Transmission method / Modulation type	Frequency shift keying
Transmission paths	Analog 2-wire or 4-wire connections
Transmission level	Adjustable between 0, -6 and -12 dBm
Receiving level	0 ... 36 dBm or -6 ... -39 dBm
Internal resistance (receiver)	> 20 k Ω
Control switching output	Via DCD Signal
Parametrisation	Via ACOS ET modem setup tool