

Modem

V.24 modem

- The V.24 modem is a transparent protocol independent CATV modem for low bit rate application.
- Weather-resistant compact housing suitable for use in the vicinity of industrial plants.
- The modem can optionally be monitored via the KATHREIN KOM system.
- RF connection: IEC female.
- Data interface: 9-pole Sub D socket.
- Adjacent channel compatible.
- Operation modes: half and full duplex.



Type			TDS 01
Order no.			236998
Transmitting frequency	settable via DIP	MHz	10 - 55
Impedance		Ω	75
Channel grid		kHz	250
Spacing of spurious emission relative to carrier	adjacent channel 2 MHz spacing	dB	35
		dB	50
Residual carrier (carrier switched off)		dB	< 60
Frequency deviation		kHz	50
Output level		dB μ V	80 - 115
Input frequency		MHz	68 - 88
Input amplitude		dB μ V	45 - 95
Squelch range	below the input amplitude	dB	20
Bit error rate	C/N=20 dB		< 10 ⁻⁶
Data rate		kBit/s	0.6 – 19.2
Modulation mode			FSK
Build-up time RTS-CTS		μ s	150
Mains voltage		V	230
Power consumption	without / with "minikom"	W	7/10
Temperature range		$^{\circ}$ C	-25 - +50
Dimensions		mm	190 x 140 x 70 mm