

# Multidrop FSK-modem

## TD-29

- ⌘ Data rate up to 19200 bit/s
- ⌘ Number of multidrop points, 10 (typical value at 9600 bit/s)
- ⌘ Transmission distance up to 10 km (6.2 miles)
- ⌘ Watchdog
- ⌘ Transient protection on the line side
- ⌘ DC-supply
- ⌘ Tri-Galvanic isolation (interface / line / supply)



**EN 61000-6-2**  
Industrial Immunity

**EN 61000-6-4**  
Industrial Emission



TD-29 is designed to satisfy industry's demands on reliability and functionality in environments with high levels of interference. TD-29 is intended for half duplex communications via a 2-wire dedicated line. Equipment with an RS-232 or RS-422/485 interface can be connected and communicate point-to-point or in a multidrop application. Data rates up to 19200 bit/s are possible over distances of up to 10 km (6.2 miles). The transmission distance and number of multidrop points are affected by the number of connected modems and line quality. A typical value is 10 units up to 10 km (6.2 miles) at a transfer rate of 9600 bit/s.

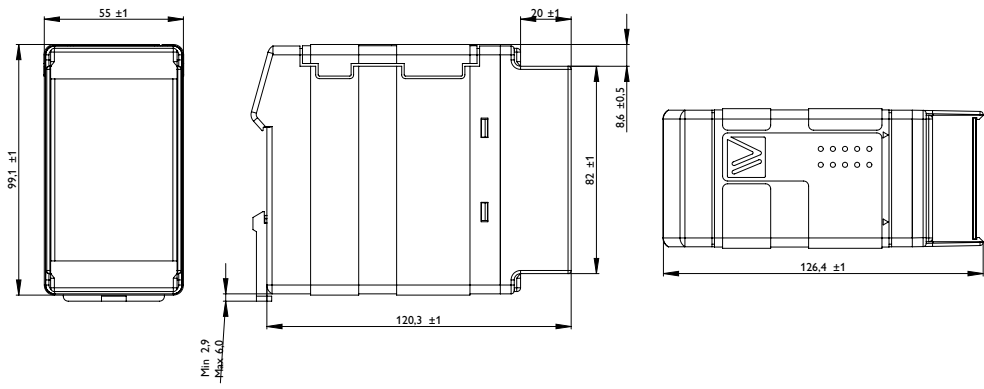
TD-29 is intended for use on dedicated lines and must not be connected to general or leased telecom lines. TD-29 is intended for mounting on a 35 mm DIN-rail, where the modem is attached and locked in a single action.

### Ordering Information

Art.no	Description
3611-0001	TD-29, 12 – 36 VDC
3611-0003	TD-29, 36 – 55 VDC

# Specifications TD-29

## Dimensional drawing



Dimension W x H x D 55 x 100 x 132 mm (2.16 x 3.93 x 5.19 in)  
 Weight 0.5 kg  
 Degree of protection IP 20

Power		
Operating voltage	<b>TD-29 DC</b> 12 – 36 VDC	<b>TD-29 36 – 55 VDC</b> 36 – 55 VDC
Rated current	<b>TD-29 DC</b> 200 mA	<b>TD-29 36 – 55 VDC</b> 50 mA

Interfaces	
RS-422/485	1 x 2400 bit/s to 19.2 kbit/s
RS-232	1 x 2400 bit/s to 19.2 kbit/s
Line	1 x 2400 bit/s to 19.2 kbit/s

Temperature	
Operating	5 to 50°C (41 to 122°F)
Storage & Transport	-40 to +85°C (-40 to 185°F)

Agency approvals and standards compliance	
EMC	2004/108/EC, Electromagnetic compatibility
	EN 61000-6-2, Immunity industrial environments
	61000-6-4, Emission residential environments