



# TROXNETCOM AS-i

## Repeater



### For the creation of additional AS-i segments

AS-i repeater TNC-A3226 is used together with AS-i power supply unit TNC-A1256 or TNC-A1258

- Creates an additional AS-i segment
- Galvanic isolation of the two segments
- Switchable terminal resistor for the incoming segment
- 2 AS-i repeaters can be connected in series

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## Product description

### Application

- AS-i repeaters are used to extend the usual length of AS-i networks by another 100 m
- An existing 100 m segment can be extended by another 100 m
- 2 repeaters can be used on one AS-i segment, i.e. one segment can be up to 300 m long
- The total number of 31 slaves per controller cannot be exceeded
- A repeater acts also as galvanic isolation of the two AS-i segments, hence providing safety against short circuits
- Active slaves can be positioned before and after the repeater
- Each repeater requires an AS-i power supply unit

### Description

- AS-i repeater TNC-A3226 allows for AS-i cable extension by 100 m
- Modules are installed before and after the repeater
- Galvanic isolation of two AS-i segments
- Optional passive bus termination (terminal resistor) for the first segment

### Order code

**TNC-A3226** Repeater

## Technical data

Type	TNC-A3226
Supply voltage	26.5 – 31.6 V DC
Current consumption	60 mA per AS-i segment
AS-i interfaces	2
Number of additionally required AS-i power supply units	1
No. of repeaters/controllers/parallel operation	Any number if according to AS-i specification
No. of repeaters/controllers/series operation	2
Galvanically isolated	Yes
Status display (operation)	2 × LED, green
Error display	LED, yellow
Ambient temperature	-25 – 70°C
Protection level	IP 20
EMC	EN 62026-2
Casing materials	PA 6.6
Note	The AS-i repeater has no slave address; the total number of AS-i slaves per master segment (31 or 62) remains unchanged, no parameter setting required

### Wiring

	Outgoing AS-i cable
A-:	AS-i - line 2
A+:	AS-i + line 2
A-:	AS-i - line 2
A+:	AS-i + line 2

	Incoming AS-i cable
A+:	AS-i + line 1
A-:	AS-i - line 1
A+:	AS-i + line 1
A-:	AS-i - line 1

	Crossbar for bus termination
T1	
T2	Crossbar for bus termination

## Specification text

This specification text describes the general properties of the product.

### Specification text

AS-i repeater allows for a cable extension by 100 m.

- Total current consumption from AS-i:  $2 \times 60$  mA
- Output/connection: Combicon connector
- Casing materials: PA 6.6
- Ambient temperature:  $-25$  to  $70$  °C
- Protection level: IP 20
- Operation:  $2 \times$  LED, green
- Error: LED, yellow
- Make: TROX GmbH or equivalent
- Type: TNC-A3226