Technical data

General specifications	
AS-Interface specification	V3.0
Indicators/operating means	
LED ERROR	AS-Interface error; LED red
LED WARNING	AS-Interface warning; LED yellow
LED GREEN	AS-Interface OK; LED green
LED POWER	AS-Interface voltage; LED green
Input	
Supply	from AS-Interface
Input current	≤ 60 mA
Ambient conditions	
Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Storage temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Protection degree	IP65
Connection	cable piercing method or terminal compartment flat cable or standard round cable
Note	Purpose: improvement of signal quality and voltage monitoring operation on the most remote AS-Interface strand (up to 300 m).
Compliance with standards and directives	
Directive conformity	
EMC Directive 2004/108/EC	EN 61000-6-2:2005 EN 61000-6-4:2007 IEC 62026-2:2008
Standard conformity	
Electromagnetic compatibility	EN 61000-6-2:2005 EN 61000-6-4:2007

Model Number

VAZ-TUNER

Active bus terminal resistor

Features

- Cable extension to up to 300 m per segment possible
- Simple commissioning by means of rotary selector
- Optimized bus terminator parameters

Function

By connecting each individual AS-Interface network with a VAZ-TUNER consisting of an ohmic, capacitive and inductive part, the signal quality can be improved and the AS-Interface voltage monitored.
During a teach-in phase, the VAZ-TUNER analyses the number of AS-Interface telegram repetitions, i. e., the AS-Interface telegrams that have not been detected and adjusts its impedance automatically such that their number is minimised. This way, optimum parameters are achieved for the respective network. Due to this adjustment, the 100 m limit can be extended to up to 300 m for the optimised network.
By means of three LEDs, the quality of the AS-Interface communication is permanently indicated. Errors are stored and can be acknowledged via a button. The user can see at a glance whether the quality of the AS-Interface installation is ok.

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