

WAGO AS-Interface Master

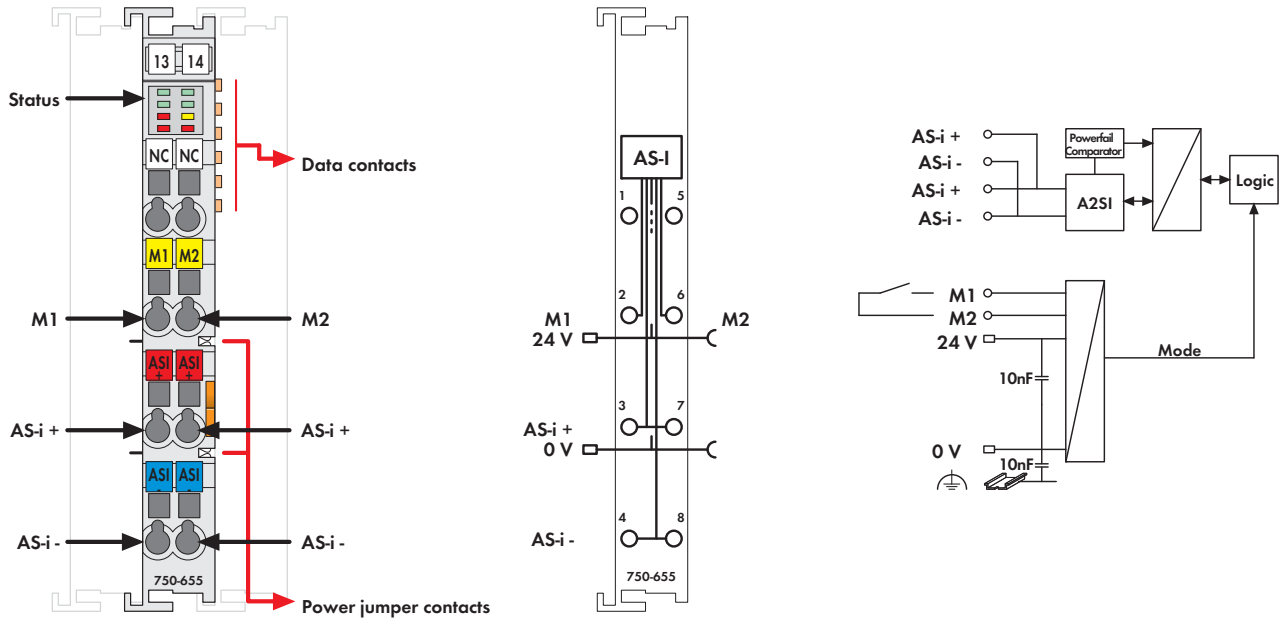


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

The 750-655 AS-Interface Master Module connects AS-Interface systems to a higher level fieldbus. The module acts as a Master for the AS-Interface and as a slave for the fieldbus. The AS-Interface Master modules 750-655 already fulfil the new AS-I Specification 2.1.

This means:

- up to 62 AS-Interface slaves can be connected per AS-I line,
- the transfer of analog signals is integrated in the Masters and
- all further functions of the new specification such as the diagnosis of the AS-I peripheral fault are implemented.

The AS-I functions are provided both cyclically and acyclically via the fieldbus.




The AS-Interface Master is supported by the following couplers / controllers:

750-301, -303, -333, -343, -833, -342, -341, -842, -841, -337, -347, -348, -837, -306, -346, -806, -819 or 758-870. Versions upon request.

In the cyclic data transfer optionally up to 32 Bytes I/O data are transferred for the binary data of one AS-I line. Furthermore, analog signals and all further commands of the new AS-I specification can be transferred in a management channel via the fieldbus.

Diagnostics, which go far beyond the AS-I specifications facilitate the simple detection of the occasionally occurring configuration errors and irritations towards the AS-I communication. So in case of an error the down time of machines can be minimized or you can initiate preventive maintenance.

LEDs indicate the operating status and the trouble-free internal bus communication as well as the status of the signal transmission.

Description	Item no.	Pack. unit
AS-Interface Master (M3) V.2.1	750-655	1
AS-Interface Master (M3) V.2.1 (without connector)	753-655	
Accessories		
 753 Series connector	753-110	25
 Coding elements	753-150	100
 Miniature WSB quick marking system,		
plain	248-501	5
with marking	see pages 256 ... 257	
Approvals		
Series 750 and 753		
Conformity marking	CE	
AS-Interface certificate	ZU 50601	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
Series 750		
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
Marine applications	see "Approvals Overview" in section 1	

Technical Data	
AS-I specification	2.1
No. of slaves	up to 62
Current consumption (AS-I)	40 mA
Voltage supply (AS-I)	26.5 V ... 31.6 V
Max. length of AS-I cable	100 m (300 m through repeater)
Cycle time AS-I	0.3 ms ... 10 ms, depending on the number of slaves
Configuration	via process image, WAGO-I/O-CHECK (as from version 2.1)
Transmission channel	1
Current consumption max. (internal)	55 mA
Voltage supply	via system voltage DC / DC
Isolation	500 V system/supply/AS-I
Bit width	max. 12 ... 48 bytes, configurable including 1 byte control/status
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths (750 / 753 Series)	8 ... 9 mm / 0.33 in
	9 ... 10 mm / 0.37 in
Width	12 mm
Weight	56 g
EMC CE-Immunity to interference	acc. to EN 61000-6-2 (1999), EN 50295 (1999)
EMC CE-Emission of interference	acc. to EN 61000-6-4 (2001)
EMC marine applications -	
Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications -	
Emission of interference	acc. to Germanischer Lloyd (2003)