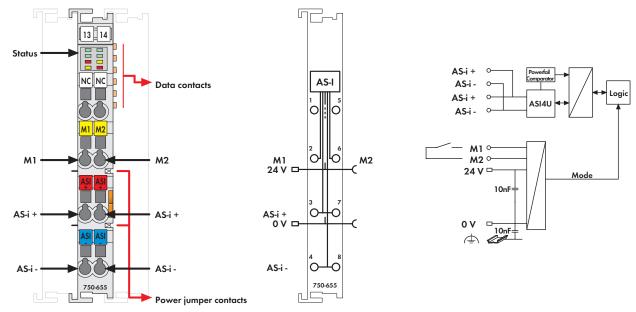
WAGO AS-Interface Master





Delivered without miniature WSB markers

The 750-655 AS-I 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 75x-655 AS-I Master Module is an M4 master per AS-Interface V3.0 Specification. This means:

- Up to 62 AS-Interface slaves can be connected per AS-I line
- Analog signal transfer is integrated in the masters
- Slave profile support complies with V3.0
- Combined 1-5 transaction types and acyclic write/read services are implemented.

The AS-I functions are provided both cyclically and acyclically via the fieldbus. In cyclic data transfer, up to 32 bytes of I/O data are transferred for the AS-I line binary data. Free cyclic process image areas can be mapped with analog values. Furthermore, analog signals and all other commands and data 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, simplify the detection of both sporadic configuration errors and AS-I communication interferences. An auto-installation mode allows an AS-Interface network to be created via sequential slave installation, with no addressing tool required.

Both signal transmission and operating status, as well as trouble-free internal data bus communication are indicated via LEDs.

Description			Item No.	Pack. Unit	
AS-Interface Master M4 V3.0			750-655	1	
AS-Interface Master M4 V3.0			753-655	1	
(without connecto	r)				
				Pack.	
Accessories			Item No.	Unit	
*********	753 Series Connec	tors	753-110	25	
	Coding elements		753-150	100	
	Miniature WSB Quick marking system				
	plain		248-501	5	
	with marking		see pages 352 353	· ·	
Approvals		Also see "Approvals Overview" in Section			
AS-Interface certificate		ZU 50601			
Conformity marking		C€	• •		
Shipbuilding		ABS, DNV, GL, KR, PRS*			
		*753 Series, pending			
.®∞ UL 508					
-®- ANSI/ISA 12.12.01		Clas	Class I, Div. 2, Grp. ABCD, T4		
		I M2	I M2 / II 3 GD Ex nA IIC T4		
EN 61241-0, -1					

Technical Data			
AS-I specification	3.0		
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		
Transmission channel	1		
Max. current consumption (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	$0.08~\text{mm}^2 \dots 2.5~\text{mm}^2 \ / \ AWG \ 28 \dots 14$		
Stripped lengths, 750/753 Series	8 9 mm / 0.33 in		
	9 10 mm / 0.37 in		
Width	12 mm		
Weight	56 g		
EMC C -Immunity to interference	acc. to EN 61000-6-2 (2005)		
EMC C €-Emission of interference	acc. to EN 61000-6-4 (2007)		
EMC marine applications			
- Immunity to interference	acc. to Germanischer Lloyd (2003)		
EMC marine applications			
- Emission of interference	acc. to Germanischer Lloyd (2003)		