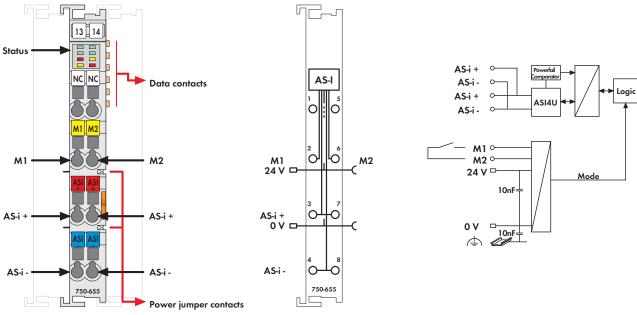
WAGO AS-Interface Master





Delivered without miniature WSB markers

The 75×655 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 (without		753-655	1	
connector)				
Accessories		Item No.	Pack. Unit	
	753 Series Connect	ors 753-110	25	
	Coding elements	753-150	100	
Communical States	Miniature WSB Quick marking system			
Commissed	plain	248-501	5	
SHALL BELLEVIOLE	with marking	see Section 11		
Approvals				
AS-Interface certificate		ZU 50601		
Conformity marking		C€		
Korea Certification				
Marine applications		ABS, BV, DNV, GL, KR, L	.r, nkk, prs, rin	
® ANSI/ISA 12.12.01		Class I, Div. 2, Grp. ABCD, T4		
□ TÜV 07 ATEX 554086 X		I M2 Ex d I Mb,		
		II 3 G Ex nA IIC T4 Gc,		
IECE TUNION ONNI V		II 3 D Ex to IIIC T135°C Do		
IECEx TUN 09.0001 X		Ex d I Mb,		
		Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc		
		EX IC IIIC 1133 CDC		

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	
Power 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 mm ² 2.5 mm ² / AWG 28 14	
Strip lengths, 750/753 Series	8 9 mm / 0.33 in	
	9 10 mm / 0.37 in	
Width	12 mm	
Weight	56 g	
EMC immunity of interference	acc. to EN 61000-6-2, marine applications	
EMC emission of interference	acc. to EN 61000-6-4, marine applications	