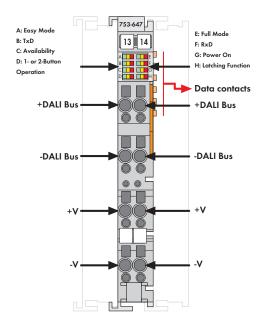
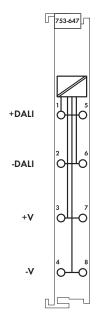
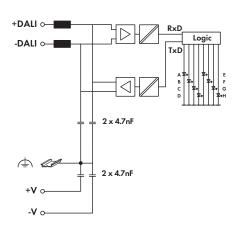
## **DALI Multi-Master Module**









The 753-647 DALI Multi-Master Module complies with DALI standard according to IEC 62386. This manufacturer-independent protocol ensures interoperability of DALI devices in lighting applications.

The 1/2 inch (12 mm) wide module is a DALI interface used in combination with

The 1/2 inch (12 mm) wide module is a DALI interface used in combination with WAGO 750 Series Controllers and Modules (e.g., BACnet, KNX, EnOcean, LON, MODBUS).

Each DALI Multi-Master Module supports 64 addresses for electronic control gears (ECGs) and 64 addresses for DALI sensors. Each DALI ECG can be assigned to 16 groups and 16 scenes. The 753-647 Module also offers 16 additional virtual groups on the DALI bus.

Using the WAGO-I/O-SYSTEM, DALI control devices are seamlessly integrated with

Using the WAGO-I/O-SYSTEM, DALI control devices are seamlessly integrated with all supported BA and fieldbus protocols. Several DALI masters can be connected to a single fieldbus node. The maximum number of modules that can be connected to a controller depends on the memory required by the application. Fieldbus nodes are

programmed via WAGO-I/O-PRO software. WAGO provides a comprehensive IEC-61131-3 library of function blocks, simplifying the creation of complex lighting applications.

Alternatively, an "Easy Mode" allows lighting functions to be easily controlled without any complicated PLC programming. The 753-647 Module is future-proof and upgradable to the latest DALI release. A comprehensive and easy-to-use commissioning and maintenance tool is available as stand-alone application or as integrated WAGO-I/O-CHECK software component.

The two following power supply options are available for the 753-647 Series:

1. The 753-620 DALI Multi-Master DC/DC Converter is used to supply one single module.

2. The 787-1007 Power Supply is used to supply several modules.

Description		Item No.	Pack. Unit
DALI Multi-Master Module		753-647	1
Accessories		Item No.	Pack. Unit
DALI Configurator		see Section 1 or download:	
		www.wago.com	
WAGO-I/O-CHECK, RS-232 kit		759-302	1
Miniature WSB G	Quick marking syster		
Communication	plain	248-501	5
Secretaria	with marking	see Section 11	
sunmonne.			
753 Series Connectors		753-110	25
Coding elements		753-150	100
753 Series pluggal	ble connector and cod	ing accessories are part of t	he delivery.
Approvals			
Conformity marking		CE	
Marine applications		DNV GL	
.®∞ UL 508			

Technical Data				
DALI specification	DIN IEC 62386 only in conjunction with			
	753-620 or 787-1007 Power Supplies			
Number of slaves (DALI)	addressable:			
	64 control devices + 64 control gears			
Module power supply at +V and -V	18 V via 753-620 / 787-1007 Power			
	Supplies			
Transmission channel	1			
Technical information acc. to DALI specification				
Maximum supply current	250 mA			
Guaranteed supply current	200 mA			
Current consumption from DALI bus with				
alternative supply via DALI bus	10 mA			
Current consumption (internal)	85 mA			
Power supply	via system voltage (DC/DC)			
Isolation	1500 V DC DALI bus/Internal data bus			
Internal bit width	24-byte data			
Commissioning	via WAGO-I/O-CHECK			
Configuration	with WAGO DALI Configurator			
Programming	via WAGO-I/O-PRO			
Wire connection	CAGE CLAMP®			
Cross sections	0.08 mm <sup>2</sup> 2.5 mm <sup>2</sup> / AWG 28 14			
Strip lengths	9 10 mm / 0.37 in			
Width	12 mm			
Weight	55 g			
EMC immunity of interference	acc. to EN 61000-6-2*,			
	marine applications			
EMC emission of interference	acc. to EN 61000-6-3*,			
	marine applications			
	*Only in conjunction with 753-620 /			
	787-1007 DC/DC Converter			

Tel.: +49(0)571/887-0

Fax: +49(0)571/887-169

E-Mail: info@wago.com

www.wago.com

Postfach 2880 - D-32385 Minden

Hansastr. 27 - D-32423 Minden