



DALI Multi-Master

Item No.: 753-647



DALI Multi-Master

Marking

RoHS ✓
Compliant

Business data

<i>Supplier</i>	WAGO
<i>Item no.</i>	753-647
<i>GTIN / EAN</i>	4050821475712
<i>Content</i>	1
<i>Order amount</i>	1
<i>Customer item number</i>	

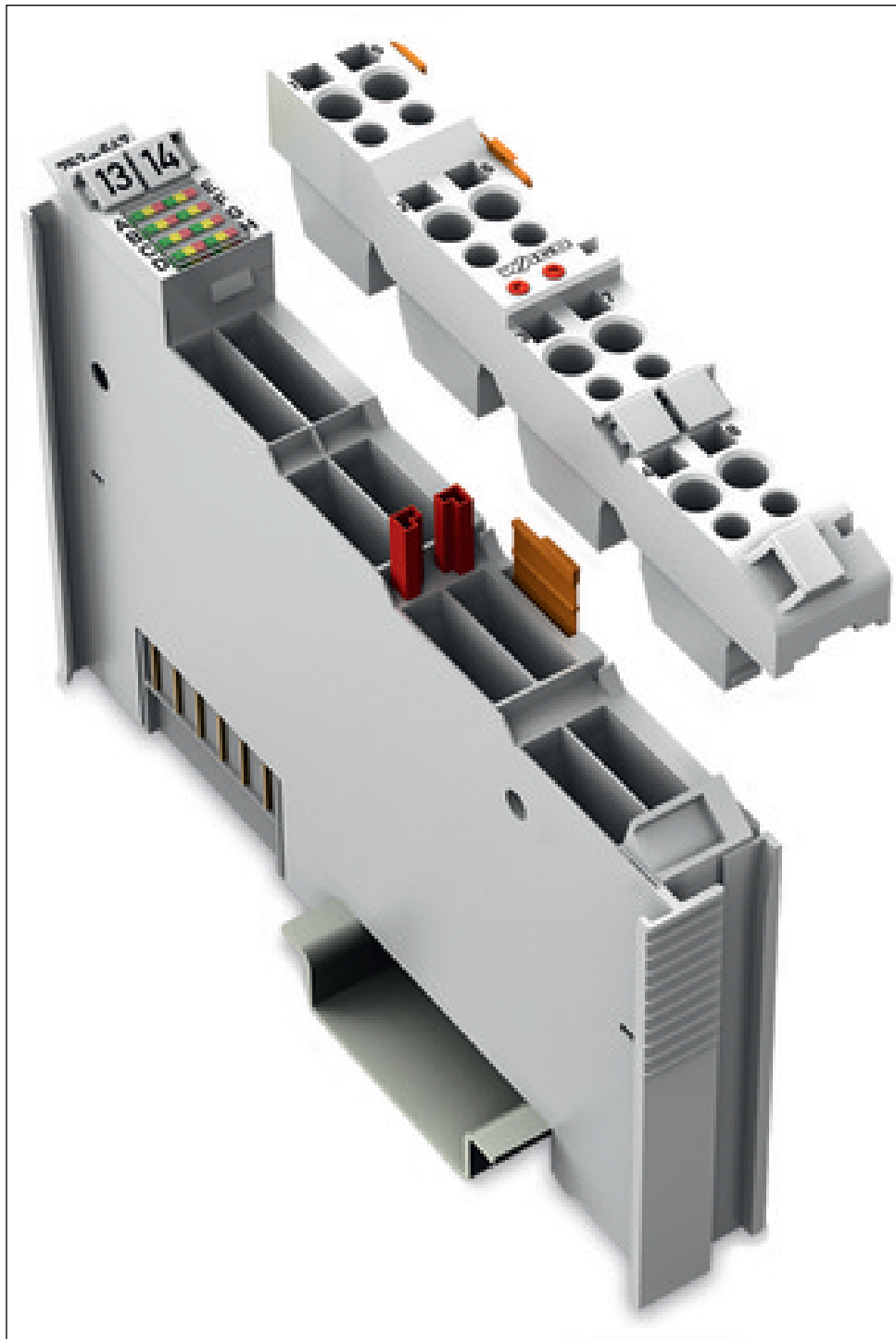
Notes

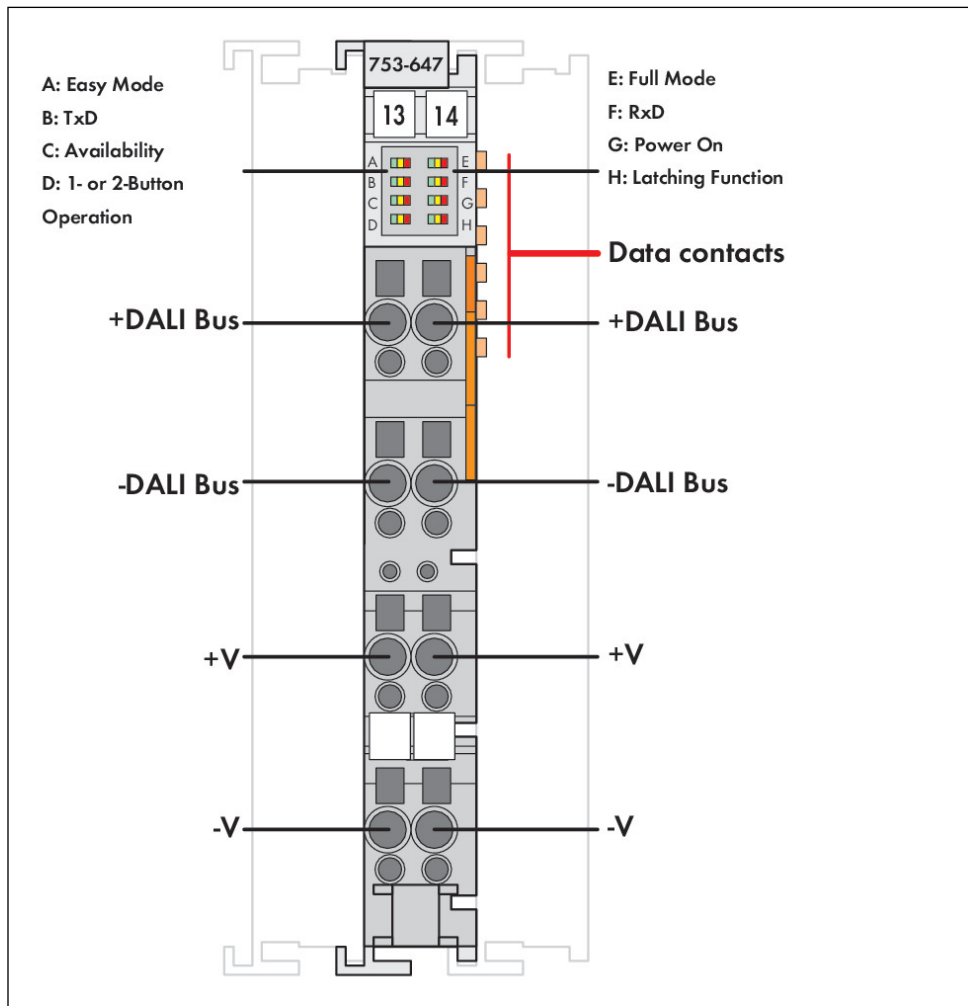
Item description: The 753-647 DALI Multi-Master Module complies with DALI standard according to IEC 62386. This manufacturer-independent protocol ensures interoperability of DALI devices in lighting applications. The 12 inch (12 mm) wide module is a DALI interface used in combination with WAGO 750 Series 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 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. *Topology:* Number of slaves (DALI): addressable: 64 control devices + 64 control gears

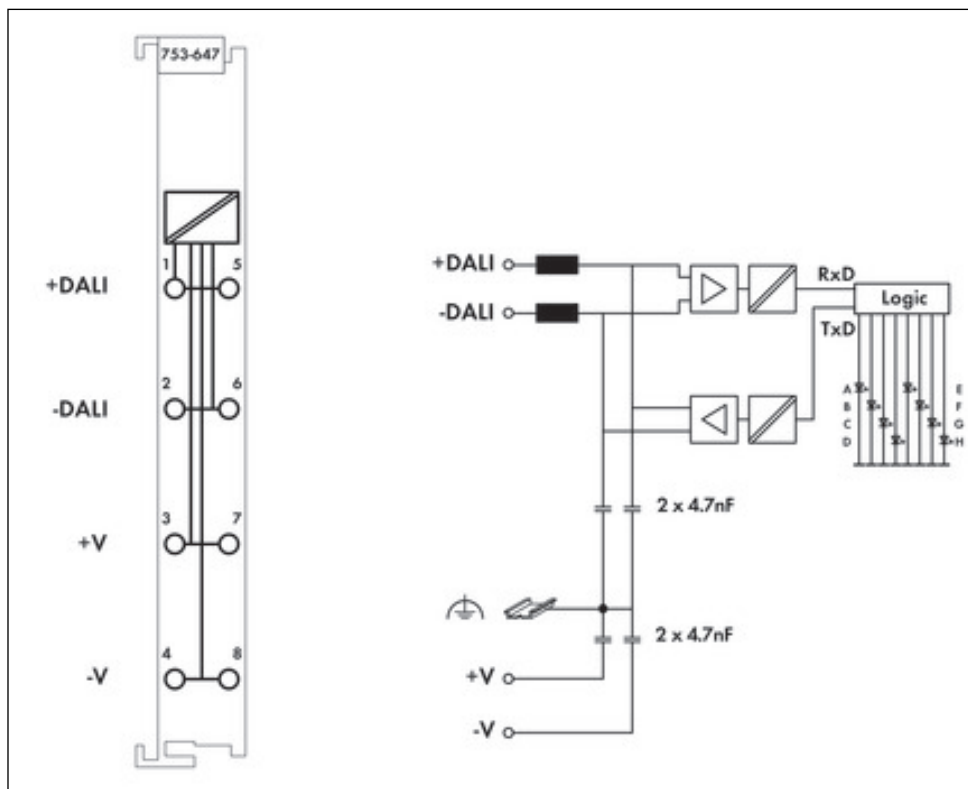
Technical data	
<i>Miscellaneous</i>	
<i>Transmission channel</i>	1
<i>Bit width</i>	24-byte data
<i>Guaranteed supply current [mA]</i>	200 [mA]
<i>Maximum supply current [mA]</i>	250 [mA]
<i>Power supply</i>	DALI: 18 V (extern)
<i>Commissioning</i>	via WAGO-I/O-CHECK
<i>System supply voltage</i>	DC 5 V; via data contacts
<i>Current consumption, system supply [mA]</i>	85 [mA]
<i>Isolation</i>	1500 V DC DALI bus/Internal data bus
<i>Connection technology: inputs/outputs</i>	8 x CAGE CLAMP®
<i>Connection type (1)</i>	Inputs/Outputs
<i>Solid conductor</i>	0.08 ... 2.5 mm ² / 28 ... 14 AWG
<i>Fine-stranded conductor</i>	0.08 ... 2.5 mm ² / 28 ... 14 AWG
<i>Strip length</i>	9 ... 10 mm / 0.35 ... 0.39 Inch
<i>Width</i>	12 mm / 0.472 Inch
<i>Height</i>	69 mm / 2.717 Inch
<i>Height from upper-edge of DIN-35 rail</i>	61.8 mm / 2.433 Inch
<i>Depth</i>	100 mm / 3.937 Inch
<i>Type of mounting</i>	DIN-35 rail

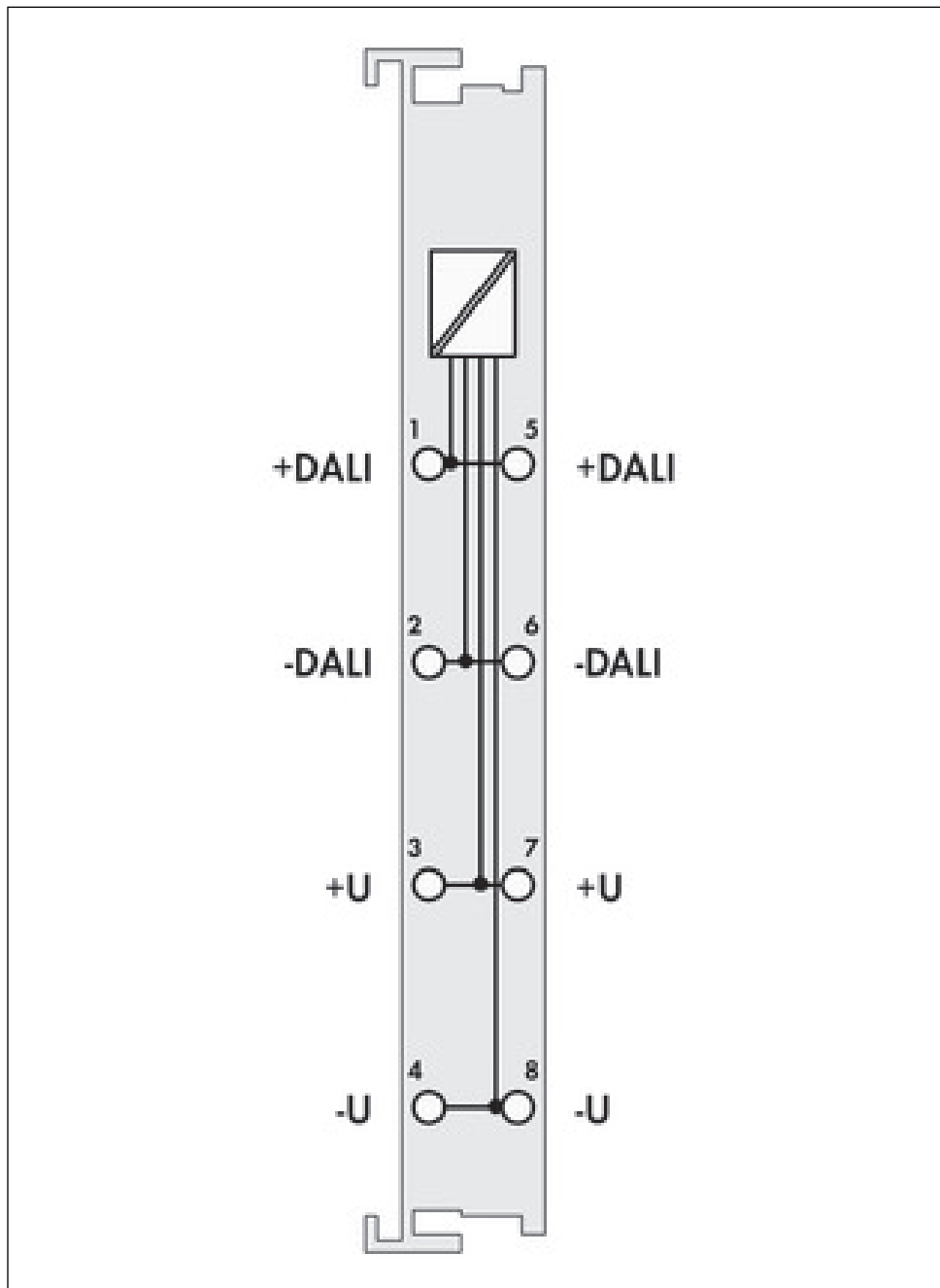
Technical data	
<i>Pluggable connector</i>	yes
<i>Housing material</i>	Polycarbonate, polyamide 6.6
<i>Weight [g]</i>	55.506 [g]
<i>Conformity marking</i>	CE
<i>Surrounding air temperature (operation)</i>	0 ... 55 °C
<i>Surrounding air temperature (storage)</i>	-25 ... 85 °C
<i>Degree of protection</i>	IP20
<i>Degree of pollution (5)</i>	2 per IEC 61131-2
<i>Mounting position</i>	any
<i>Relative air humidity (no condensation) [%]</i>	95 [%]
<i>Vibration resistance</i>	4g per IEC 60068-2-6
<i>Shock resistance</i>	15g per IEC 60068-2-27
<i>Exposure to pollutants</i>	Per IEC 60068-2-42 and IEC 60068-2-43
<i>Permissible H2S contaminant concentration at a re</i>	10 [ppm]
<i>Permissible SO2 contaminant concentration at a re</i>	25 [ppm]
<i>Packaging type</i>	BOX
<i>Product Family</i>	750/753 Series I/O-System
<i>Main product function</i>	DALI Interface
<i>Product type</i>	Communication modules

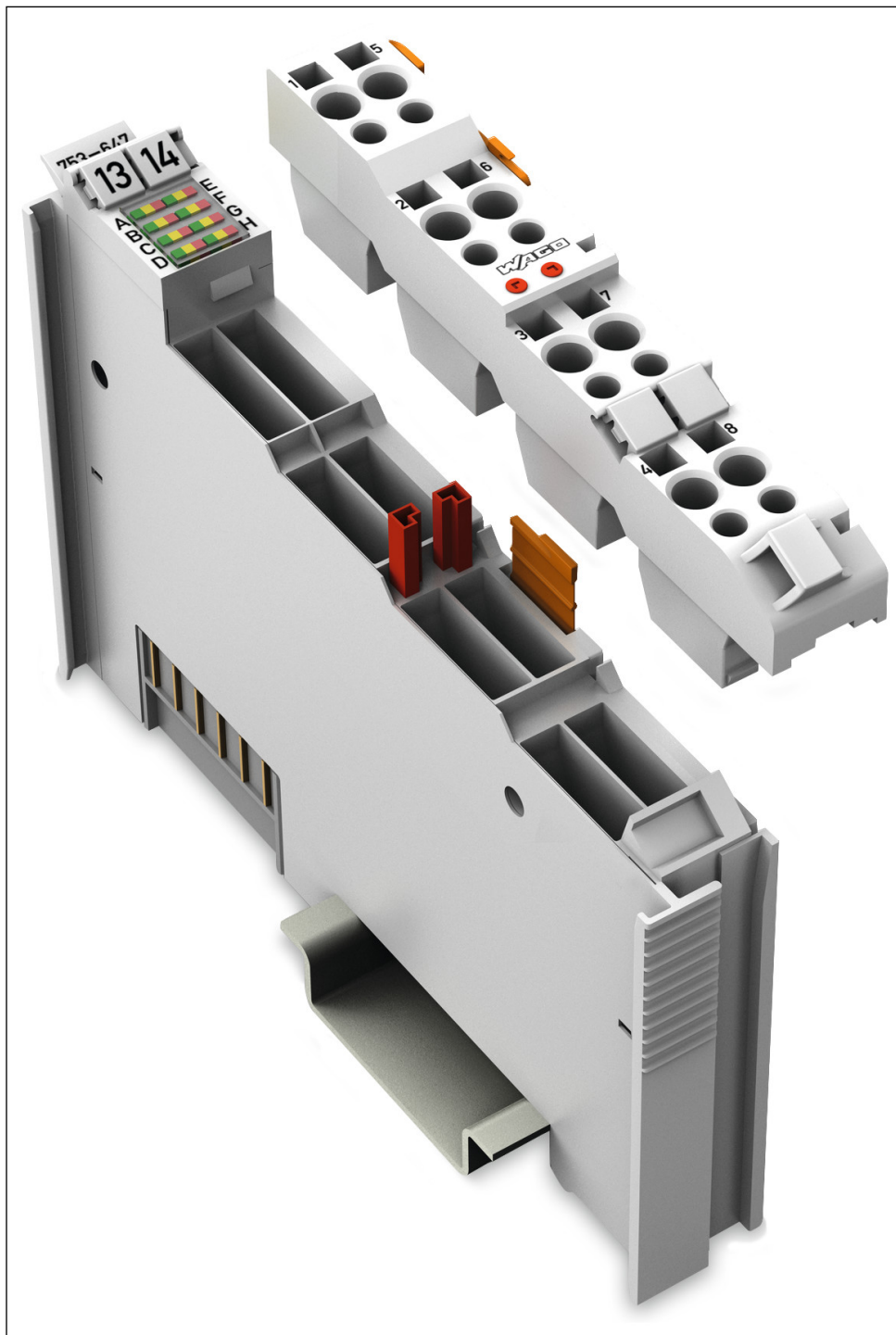
Images & drawings











Address

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Telefon: 0571/887-0

Fax: 0571/887-169

<http://www.wago.com>

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Technische Änderungen und Irrtümer vorbehalten.