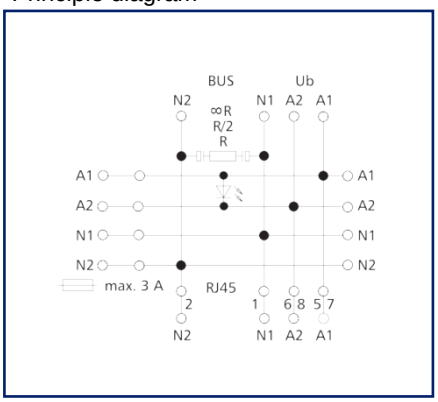
Data sheet
LF-FAM LON

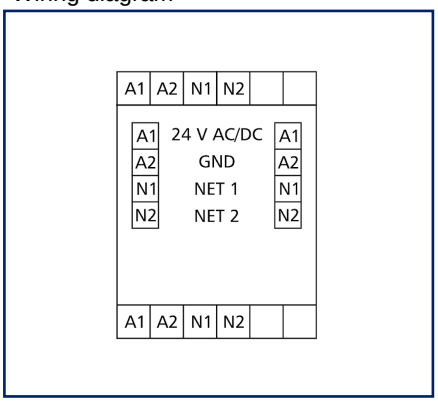
P/N
11087913
EAN 4250184135906
2025/08/19
Version: H

Illustrations

Principle diagram



Wiring diagram



c UL US LISTED

See enlarged drawings at the end of document

Product specification

Switch-on module for bus connection, supply voltage and adjustable bus termination. The switch-on module was developed as wiring help for supplying the supply voltage and a two-wire bus to the LON bus modules. The supply voltage and the two-wire bus are led to the upper part of the housing over a sturdy terminal block with a cross section of max. 2.5 mm² and connected to the modules by means of the jumper. Using a suitable interface cable, the two-wire bus can be connected to a PC over the two RJ45 jacks. A bus terminating resistor of 52.3 Ohm (R/2) for free network topology and 105 Ohm (R) for line topology can be set by means of the jumper under the removable cover. Suitable for decentralized mounting on DIN TH35 rail according to IEC 60715 in electrical distribution cabinets.

- Connection with screw type terminal blocks

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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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Technical Data

Approvals	
c UL us LISTED	Open Energy Management Equipment 34TZ
Supply	
Operating voltage	24 V AC/DC +/- 10 % (SELV)
Power consumption	
Power consumption (max.)	5 mA
Duty cycle relative	100 %
Outputs	
Continuous current	2.5 A
Protection	3 A
Housing	
Dimensions	
Dimension (W x H x D)	35 mm x 69.3 mm x 67 mm
Dimension (W x H x D)	1.378 in. x 2.728 in. x 2.638 in.
Total depth with switch/plug	73 mm
Weight	75 g
Mounting style	Standard rail TH35
Mounting position	any
Connection type	Screw type terminal blocks
Indicator	green LED
Terminal blocks	
Supply and bus	
Terminal block	4-pole
Solid wire (AWG)	max. 1.5 mm² / max. 16 AWG
Stranded wire (AWG)	max. 1 mm² / max. 18 AWG
Wire diameter	min. 0.3 mm max. 1.4 mm
Module connection	
Wire cross section solid	0.34 mm² - 2.5 mm² / AWG 22-12
Wire cross section multi	0.25 mm² - 2.5 mm² / AWG 22-12
Wire cross section with wire ferrule	0.25 mm² - 2.5 mm² / AWG 22-12
Screw torque (max.)	0.5 Nm

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Technical Data

Terminal blocks	
Module connection	
Stripping length (min.)	8 mm
Connection for external display modules	
RJ45 jack contact 1	N1
RJ45 jack contact 2	N2
RJ45 jack contact 5 and 7	A1
RJ45 jack contact 6 and 8	A2
Material	
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
Climatic Data	
Operating	
Temperature - Operating °C	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Relative humidity	max. 85 % non-condensing
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F
Classifications	
ETIM 7.0	EC000634
ETIM 8.0	EC000634
ETIM 9.0	EC000634
ETIM 10.0	EC000634

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Technical Data

Software and additional documents

Software and documentation	Further documentation is available for free download at www.metz-connect.com

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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Accessories

P/N	Designation
110486	HUB DC
31135104	Typ 135 RIACON 135_3.5

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Accessories from

P/N	Designation
1108501319	LF-DI4 LON
110850131970	LF-F-DI4 LON
1108511319	LF-DI10 LON
110851131970	LF-F-DI10 LON
1108511319IP	LF-DI10-IP65 LON
1108521321	LF-DO4 LON
110852132170	LF-F-DO4 LON
1108521321IP	LF-DO4-IP65 LON
11085313	LF-AI8 LON
1108531370	LF-F-AI8 LON
11085413	LF-AOP4 LON
1108541370	LF-F-AOP4 LON
11085413IP	LF-AO4-IP65 LON
1108551326	LF-DIO4/2 LON
110855132670	LF-F-DIO4/2 LON
1108551326IP	LF-DIO4/2-IP65 LON
1108561326	LF-DM4/4 LON
110856132670	LF-F-DM4/4 LON
11085713	LF-AM2/4 LON
1108571370	LF-F-AM2/4 LON
11085813	LF-SI4 LON
1108581370	LF-F-SI4 LON
11085913	LF-TP LON
1108591370	LF-F-TP LON
1108601332	LF-CI4 LON
110860133270	LF-F-CI4 LON
11086105IP	LF-TI-IP65 LON
11086213	LF-TO4 LON
1108621370	LF-F-TO4 LON
11086313	LF-DI230 LON
1108631370	LF-F-DI230 LON

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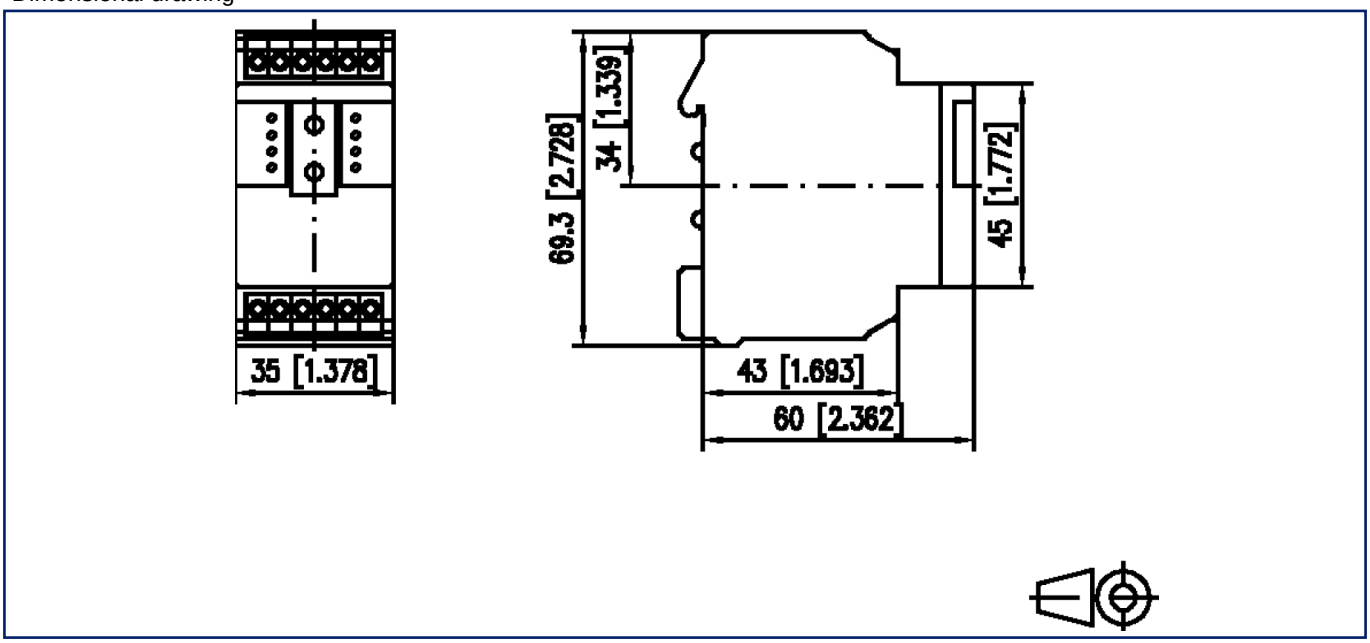
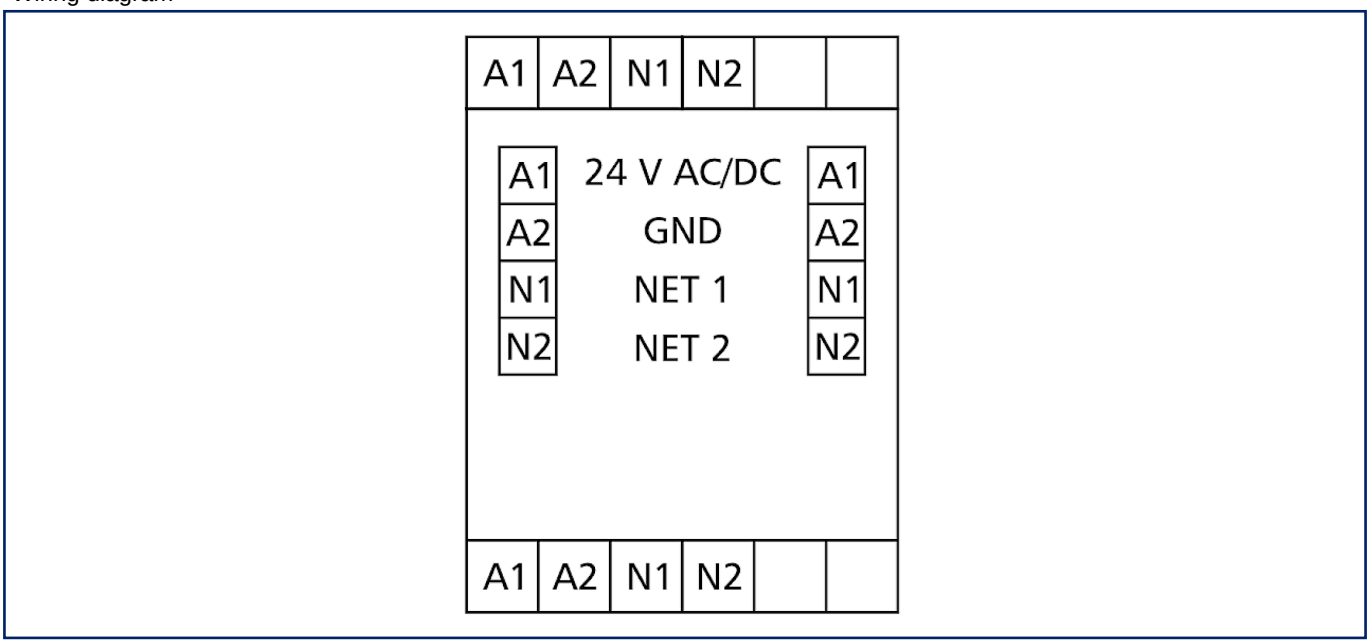
Illustrations

Dimensional drawing



Wiring diagram



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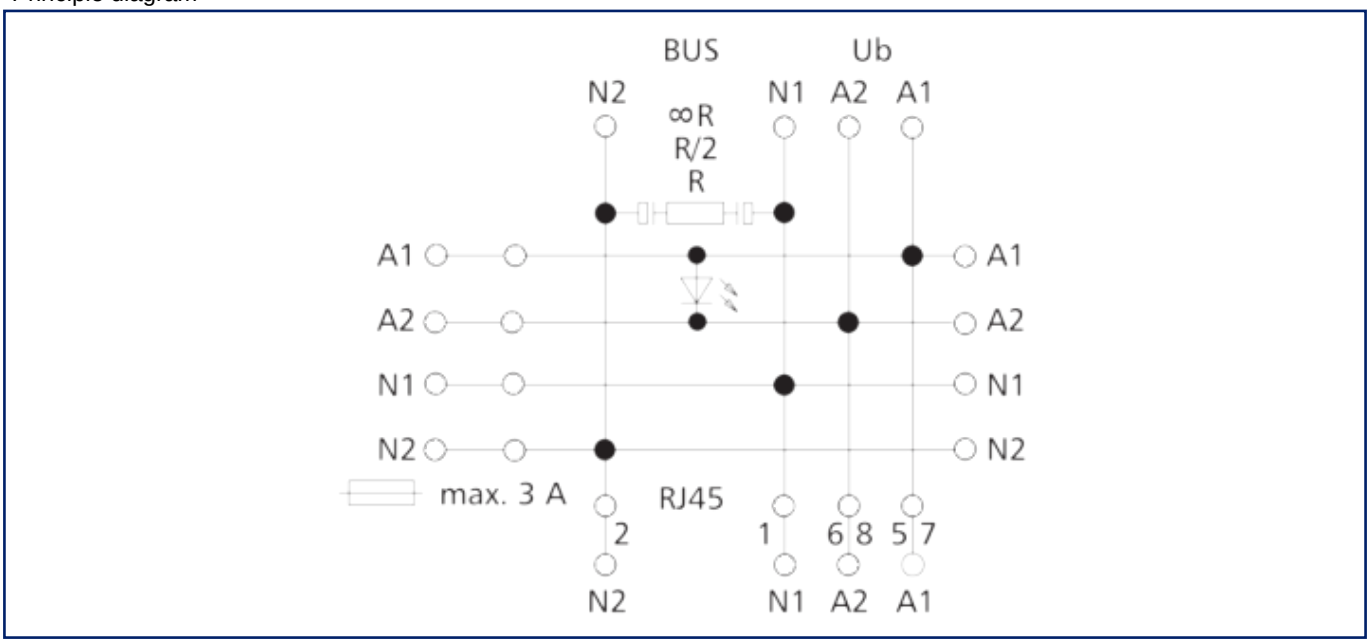

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