

LUMGATE 277 2DI/2DOR/1AO - Luminaire control unit



2400328

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Luminaire control unit for controlling LED drivers, 110 V ... 277 V input voltage, 2 relay outputs, 8 A load current, up to 8 LED drivers can be controlled, 10 V analog interface, measurement of load currents

Similar figure

Product description

The intelligent Lumgate luminaire control unit is used to couple a light management system to tunnel luminaires. The luminaires are switched, dimmed, and monitored via analog interface and load relays. Suitable for installation in driver boxes or directly in the luminaire.

Your advantages

- Compact housing
- AC power supply



Commercial data

Item number	2400328
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DREDIA
Product key	DREDIA
GTIN	4055626043586
Weight per piece (including packing)	196.9 g
Weight per piece (excluding packing)	186.9 g
Customs tariff number	85371098
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Product type	Gateways/Proxies
Product family	Stand-alone
Type	Stand-alone
Diagnostics messages	Bus error in INTERBUS

Insulation characteristics

Overvoltage category	II
Pollution degree	2

System properties

Programming data

ID code (dec.)	51
Input address area	16 bit
Output address area	16 bit

Electrical properties

Maximum power dissipation for nominal condition	max. 2216 W
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Supply: Module electronics

Connection technology	Spring-cage connection
Supply voltage	max. 250 V AC (Class II / EN 61347)
Supply voltage range	110 V AC ... 277 V AC -13 % ... +6 % (Following consultation with the manufacturer, Class I/UL 508)
Current consumption	max. 8 A (with active consumers)
Power consumption	2 W (No-load)

Input data

Digital:

Input name	Digital inputs
Number of inputs	2 (Open Collector)
Connection method	Header for PTSM connectors

Measurement: Current

Nominal current I_N	max. 8000 mA (internal)
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Output data

Analog:

Output name	Analog output
Connection method	Header for PTSM connectors
Number of outputs	1
D/A converter resolution	8 bit
Current output signal	-20 mA (Current sink)
Permissible cable length	max. 0.5 m

Digital:

Output name	Relay output
Connection method	Spring-cage connection
Number of outputs	2 (AC General Use)
Protective circuit	Surge protection
Output voltage	250 V AC (TRIAC protection of the N/C contact, load-free switching)
Output current	max. 8 A (max. 5 A per relay)
Nominal output voltage	max. 277 V AC (50 Hz ... 60 Hz)
Switching power	max. 2216 W

Connection data

Supply

Connection method	Spring-cage connection
Note on the connection method	Use copper wire, that is approved up to 80 °C.
Conductor cross-section, rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross-section, flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross-section AWG	26 ... 14
Stripping length	8 mm

Input/output

Connection method	PTSM connector
Note on the connection method	Use copper wire, that is approved up to 80 °C.
Conductor cross-section, rigid	0.14 mm ² ... 0.5 mm ²
Conductor cross-section, flexible	0.14 mm ² ... 0.5 mm ²
Conductor cross-section AWG	24 ... 20
Stripping length	6 mm

Interfaces

Remote bus

Transmission speed	500 kBaud
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Signaling

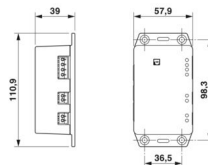
Diagnostic messages

Diagnostics

Bus error in INTERBUS

Dimensions

Dimensional drawing



Width

110.9 mm

Height

57.9 mm

Depth

39 mm

Material specifications

Color

black (RAL 9005)

Material

ABS

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)

-40 °C ... 65 °C

Degree of protection

IP20 (touch-proof (per manufacturer's declaration))

Air pressure (operation)

70 kPa ... 106 kPa (up to 3000 m above sea level)

Air pressure (storage/transport)

70 hPa ... 106 kPa (up to 3000 m above sea level)

Ambient temperature (storage/transport)

-40 °C ... 80 °C

Permissible humidity (operation)

5 % ... 90 % (according to DIN EN 61131-2)

5 % ... 95 % (up to 45°C in accordance with EN 60068-2-78:2013)

Permissible humidity (storage/transport)

5 % ... 90 % (according to DIN EN 61131-2)

Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27

30g, 11 ms period, half-sine shock pulse

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6

5g, 150 Hz

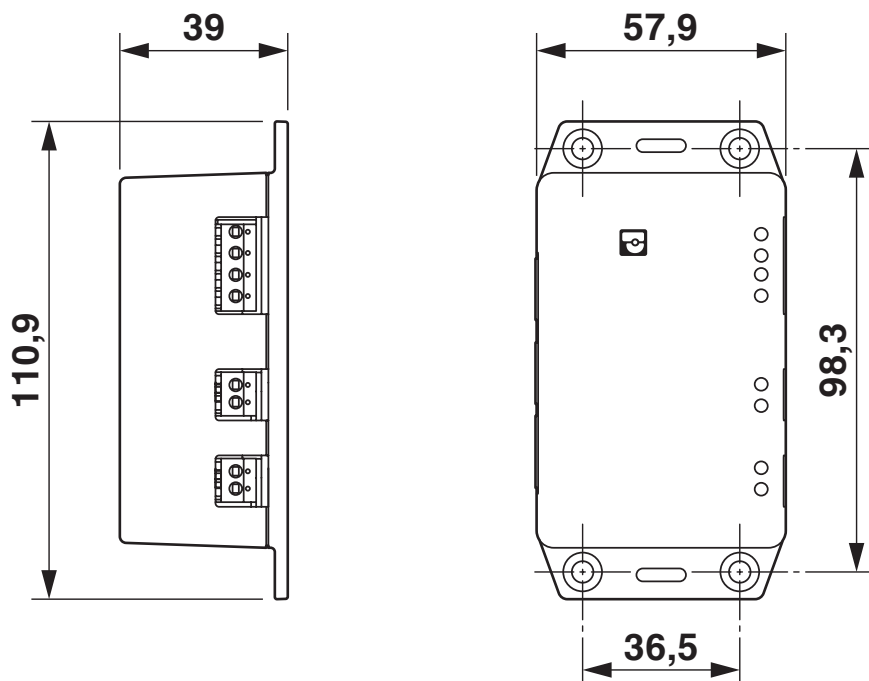
Mounting

Mounting type

Mounting on a surface (Mounting in the control box)

Drawings

Dimensional drawing



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Approvals

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cULus Listed

Approval ID: E238705

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Classifications

ECLASS

ECLASS-13.0	27111005
ECLASS-15.0	27111005

ETIM

ETIM 10.0	EC000533
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	b37ad01a-4b5e-47eb-9068-2077a5038fa9