

Interface - LUMGATE 277 2DI/2DOR/1AO - 2400328

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Interface for coupling and diagnostics of LED drivers to the Phoenix Contact control system.

Similar figure

Product Description

The LUMGATE 277 2DI/2DOR/1AO is the connection between the LED drivers and the control system from Phoenix Contact. Analog control and current consumption measurement of up to eight LED drivers via INTERBUS. The two digital inputs and relay outputs can be used freely.

Your advantages

- ✓ Compact housing
- ✓ AC power supply



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626043586

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	110.9 mm
Height	57.9 mm
Depth	39 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Permissible humidity (operation)	5 % ... 90 % (according to DIN EN 61131-2)

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Ambient conditions

Permissible humidity (storage/transport)	5 % ... 90 % (according to DIN EN 61131-2)
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)
Degree of protection	IP20 (touch-proof (per manufacturer's declaration))

General

Mounting type	Mounting in enclosure (control box)
Color	black
Net weight	186.9 g
Degree of pollution	2
Diagnostics messages	Bus error in INTERBUS

Interfaces

Designation	Remote bus
Transmission speed	500 kBaud

Digital inputs

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

Digital outputs

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

Power supply for 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)

Analog outputs

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

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Analog outputs

Permissible cable length	max. 0.5 m
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Standards and Regulations

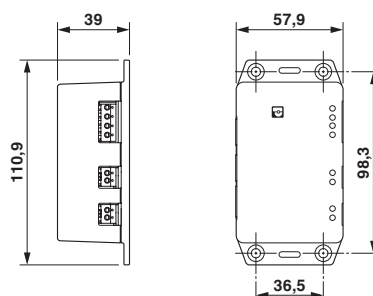
Immunity to ESD	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 EN 61000-4-2 (ESD) 6 kV contact discharge, criterion B, 8 kV air discharge, criterion B
Immunity to EF	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 EN 61000-4-3 (electromagnetic fields) 10 V/m (80 MHz ... 2000 MHz)
Immunity to burst	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 EN 61000-4-4 Criterion A, supply lines: 2 kV, signal/data lines: 2 kV
Immunity to surge	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 EN 61000-4-5 (surge) Criterion A, supply lines: 2 kV, signal/data lines: 2 kV
Immunity to conducted interference	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 EN 61000-4-6 (line noise immunity) Criterion A, at 10 V no impairment to functions
Interference emission	Noise emission test in accordance with EN 61000-6-4/IEC 61000-6-4 Class A
Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g, 11 ms period, half-sine shock pulse
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g, 150 Hz
Overvoltage category	II

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



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Classifications

eCl@ss

eCl@ss 10.0.1	27242605
eCl@ss 11.0	27242605
eCl@ss 5.1	27249201
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 9.0	27242605

ETIM

ETIM 6.0	EC001601
ETIM 7.0	EC001601

UNSPSC

UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cULus Listed			
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Accessories

Accessories

PCB plug

Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 5, Number of rows: 1, Number of positions per row: 5, number of connections: 5, product range: PTSM 0,5/...-P, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON COMPACT PTSM, Locking: without, mounting: without, type of packaging: packed in cardboard

Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 WH - 1704858



PCB connector, nominal cross section: 0.5 mm², color: white, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 5, Number of rows: 1, Number of positions per row: 5, number of connections: 5, product range: PTSM 0,5/...-P WH, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON COMPACT PTSM, Locking: without, mounting: without, type of packaging: packed in cardboard

Printed-circuit board connector - PTSM 0,5/ 6-P-2,5 - 1778874



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 6, Number of rows: 1, Number of positions per row: 6, number of connections: 6, product range: PTSM 0,5/...-P, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON COMPACT PTSM, Locking: without, mounting: without, type of packaging: packed in cardboard

Printed-circuit board connector - PTSM 0,5/ 5-PL-2,5 BK - 1709446



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 5, Number of rows: 1, Number of positions per row: 5, number of connections: 5, product range: PTSM 0,5/...-PL, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON COMPACT PTSM, Locking: Snap-in locking, mounting: Self-locking flange, type of packaging: packed in cardboard

Printed-circuit board connector - PTSM 0,5/ 5-PL-2,5 WH - 1709462



PCB connector, nominal cross section: 0.5 mm², color: white, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 5, Number of rows: 1, Number of positions per row: 5, number of connections: 5, product range: PTSM 0,5/...-PL WH, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON COMPACT PTSM, Locking: Snap-in locking, mounting: Self-locking flange, type of packaging: packed in cardboard

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Accessories

Printed-circuit board connector - PTSM 0,5/ 6-PL-2,5 BK - 1709447



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 6, Number of rows: 1, Number of positions per row: 6, number of connections: 6, product range: PTSM 0,5/-PL, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON COMPACT PTSM, Locking: Snap-in locking, mounting: Self-locking flange, type of packaging: packed in cardboard

Remote bus cable

Hybrid cable - IBS EINBC METER - 2752107



INTERBUS hybrid cable for the extended installation remote bus

Installation remote bus cable - IBS INBC METER - 2723136



By the meter, Installation remote bus cable, INTERBUS, shielded, PUR, may green RAL 6017, 9-wire (3 x 2 x 0.22 mm² + 3 x 1 mm²), color single wire: green-yellow, white-brown, gray-pink, red, blue, green/yellow, fixed installation

Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

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