

Technical data sheet

Load monitoring · LCOS accessories

LCOS function carrier 35 mm
with integrated power bus and data module
Modular expandable, integrated PE contact



Identification

Type	LCOS-FT-PE-350-DP-03-1
Part No.	780403.350.1

Product version

Datasheet version	02
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Description

System Components	Function carrier
Description	Function carrier 35 mm, can be expanded with modules, with PE direct contact, data and power module

Electrical data Power Bus

Operating voltage	max. AC/DC 500 V
Operating current	max. AC/DC 16 A/channel
Voltage drop	<80 mV

Data module

Material PCB	FR4
Material connector	PE-HT
Operating voltage	max. DC 30 V
Operating current	max. DC 2 A/contact
System current	max. DC 8 A
Pole number	Input/output: 10-pin, outlet: 2×10-pin
Contact material	CuZn

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08.12.2023 • Subject to technical modification

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Slots

Slots	1 × 35mm
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General

Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Color of the housing	pebble grey
Mounting	DIN rail mountable TS35 (EN 60715)
Marking	2 × Labelling plates 5×5 mm
Installation position	Vertical
MTBF	on request
Power Dissipation	9 W @ 20°C, 4 W @ 60°C, 3 W @ 75°C
Degree of protection	IP20 (EN 60529)
Dimensions (w × h × d)	35.0 mm × 110.0 mm × 27.0 mm
Weight/unit	0.04 kg
PU (units)	1

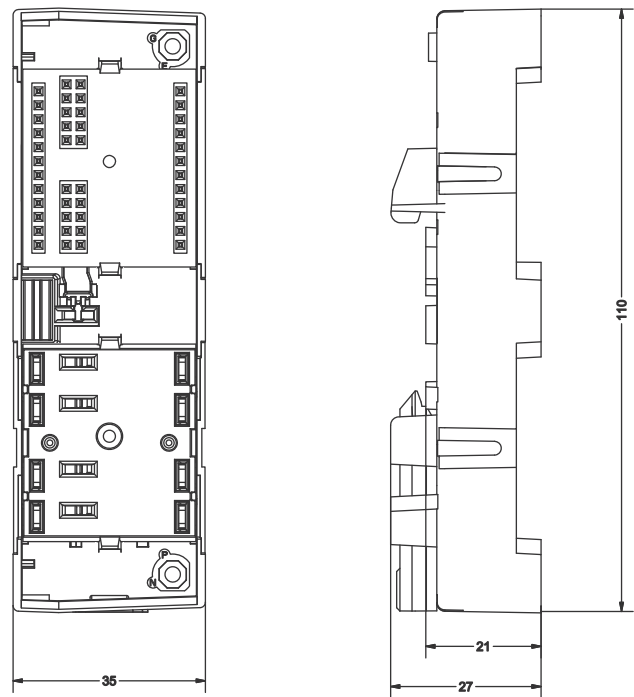
General ambient conditions

Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Over voltage category	II
Degree of pollution	2
Relative air humidity	10 % – 95 %, without condensation
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g 11 ms acc. to IEC 60068-2-27

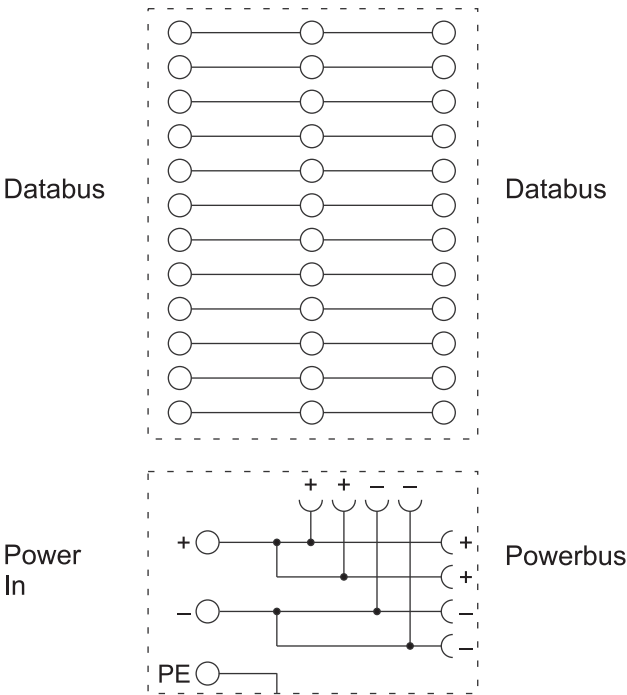
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E170585) DNV (TAA00002SY)
Standards	DNV-CG-0339

Dimensions



PIN assignment



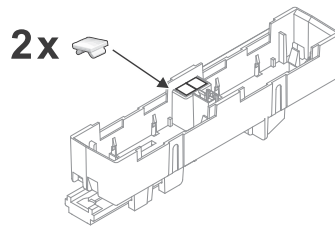
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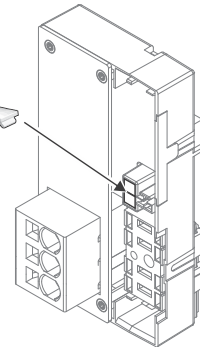
Use

780981.000.2 - white
780982.000.2 - red
780983.000.2 - blue
716434 - yellow

2x



2x



Use

