

Technical data sheet

Load monitoring · LOCC-Box Accessories

**LOCC-Box supply terminal and
LOCC-Box supply terminal for power distribution
maximum total current 40 A (set) (UL: 35 A)**



Identification

Type LOCC-Box-ES 7-6437
Part No. [716437](#)

Product version

Hardware revision 2.0
Datasheet version 03

Input

Rated voltage U_N DC 12/24/48 V
Rated current I_N Max. DC 40 A
Reverse voltage protection No
Connection type input Push-In
0.5 mm² – 10 mm²
UL Values/stranded
AWG 14 – AWG 8
Conductor connection cross section Single-wire: max. 10 mm²
Finely stranded: max 10 mm²
Finely stranded with AEH: max 6 mm²
Strip length 13 mm

Output

Rated voltage U_N DC 12/24/48 V
Output current Max. DC 40 A
Connection type output Screwless contact slide
Copper bus bar 3 × 10mm

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General

Accessories	SET 2 Supply terminal 10 mm ² Intermediate feed-in terminal
Connection type	Push-In Single wire/fine wire 0.50 mm ² – 10.0 mm ² AWG 22 – AWG 7 Fine stranded wire with ferrule Finely stranded, ferrule with plastic collar 0.5 mm ² – 6 mm ² AWG 22 – AWG 9 UL Values AWG 14 – AWG 8
Strip length	13 mm
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Mounting	DIN rail mountable TS35 (EN 60715)
Degree of protection	IP20 (only as complete system with supply terminal and end block)
Installation position	Any
Dimensions (w × h × d)	10.0 mm × 110.0 mm × 62.0 mm
Weight/unit	0.07 kg
PU (units)	1

General ambient conditions

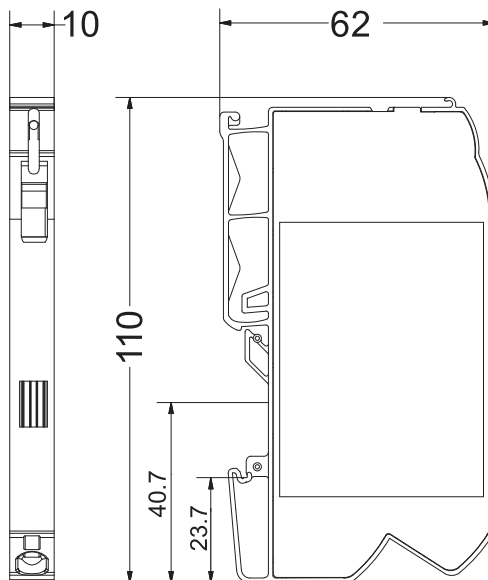
Operation temperature range	-25 °C ... +50 °C
Storage temperature range	-40 °C ... +85 °C
Relative air humidity	10 % – 95 %, without condensation
Vibration resistance	4 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

Certifications/Standards

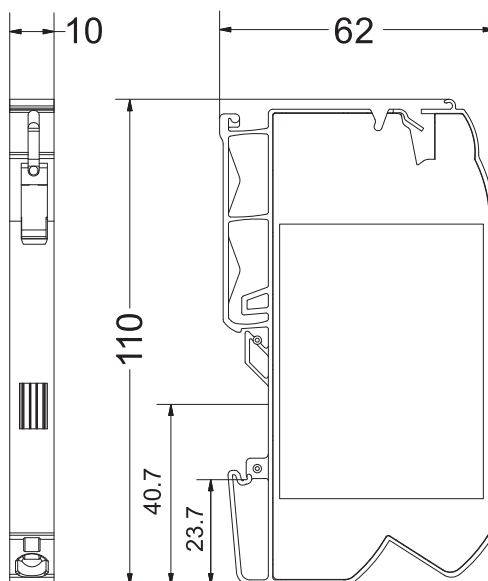
Certifications	cULus (E135145)
Standards	UL 60947-5-1 DNVGL-CG-0339 Temperature Class D – not certified Humidity Class B – not certified Vibration Class B – not certified Enclosure Class A – not certified

Dimensions

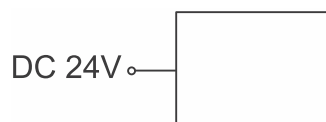
716435



716421



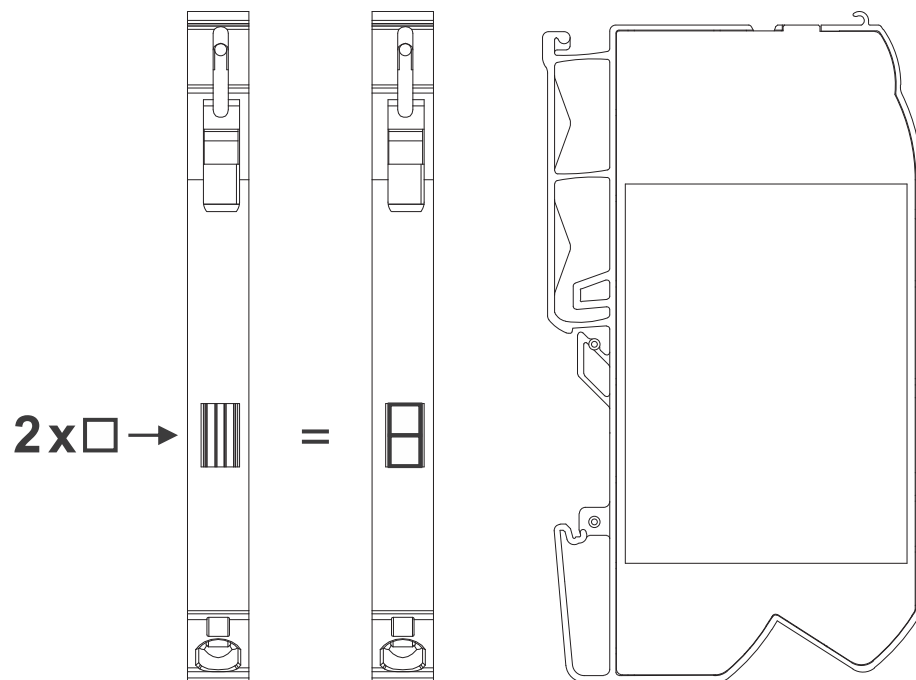
PIN assignment



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Use



Derating

