

Technical data sheet

Load monitoring · LOCC-Box Accessories

LOCC-Box supply terminal

Maximum total current 40 A (UL: 35 A)



Identification

Type LOCC-Box-EKL 7-6435
Part No. [716435](#)

Product version

Hardware revision 2.0
Datasheet version 04

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	Supply terminal 10 mm ²
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, end block and copper rail cover)
Installation position	Any
Dimensions (w × h × d)	10.0 mm × 110.0 mm × 62.0 mm
Weight/unit	0.035 kg
PU (units)	2

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

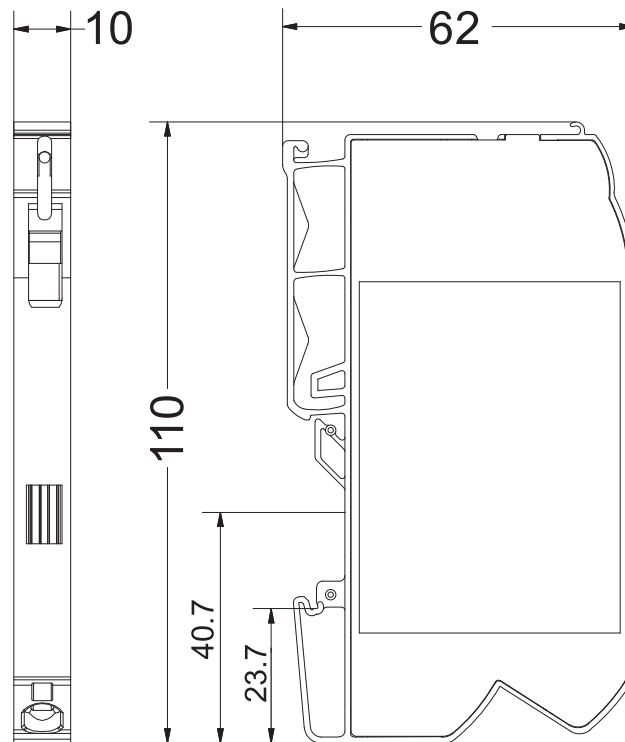
Certifications/Standards

Conformity	CE UKCA
Certifications	cULus (E135145) DNV (TAA0000162)
Standards	UL 60947-5-1 DNV-CG-0339

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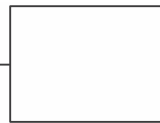
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Dimensions

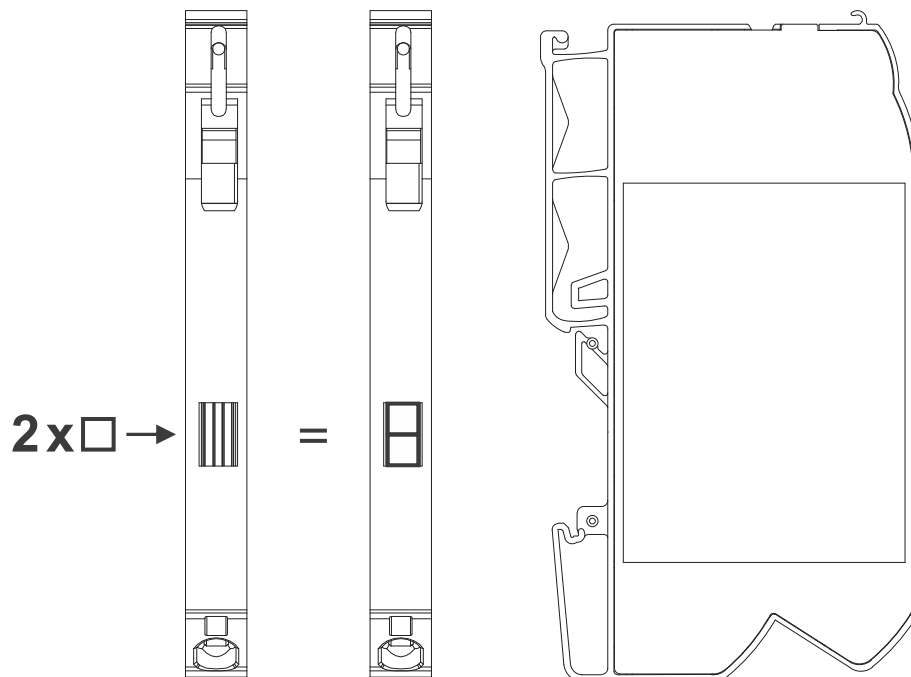


PIN assignment

DC 24V



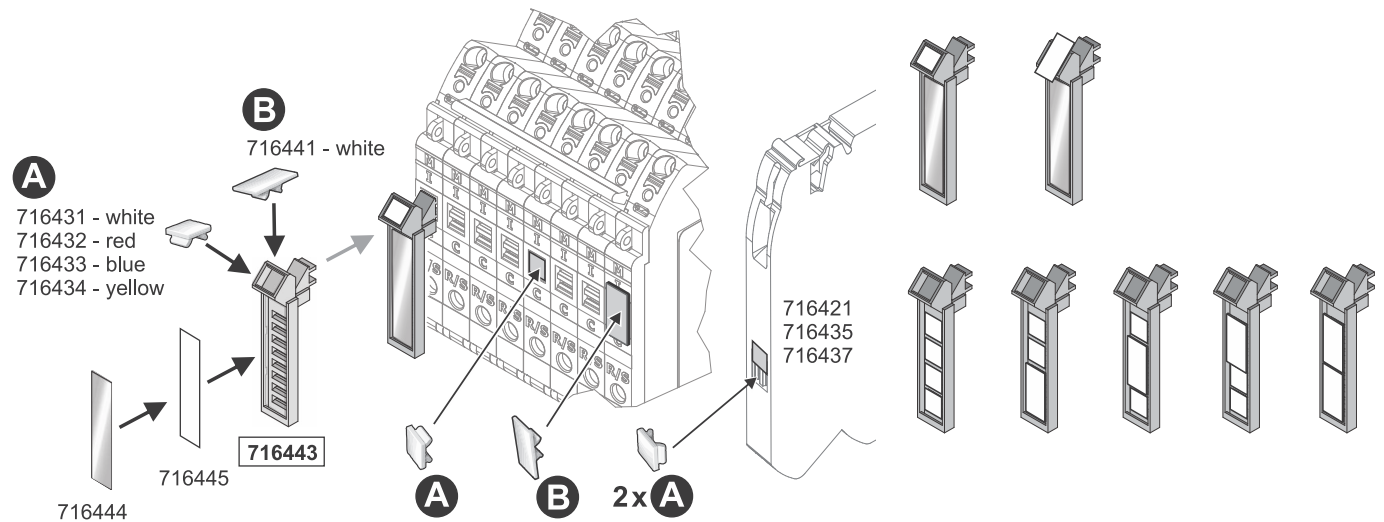
Use



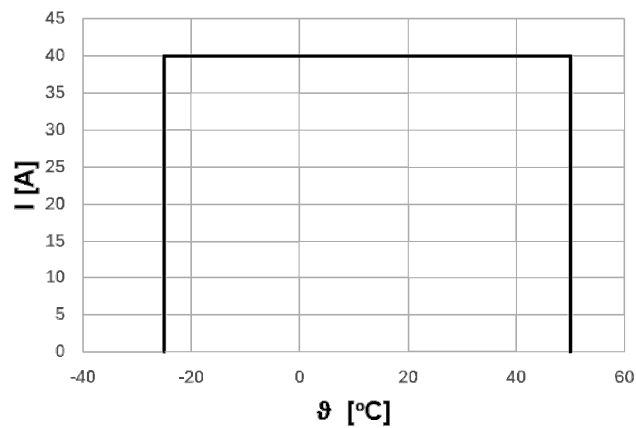
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Use



Derating



Mounting diagram

