

## Technical data sheet

### Load monitoring · LOCC-Box Accessories

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#### LOCC-Box supply terminal

**Additional supply terminal for increased current  
maximum total current 40 A (UL: 35 A)**



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#### Identification

Type LOCC-Box-EKL 7-6421  
Part No. [716421](#)

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#### Product version

Hardware revision 2.0  
Datasheet version 02

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#### Input

Rated current  $I_N$  max. DC 40 A  
Reverse voltage protection No  
Connection type input Push-In  
0.5 mm<sup>2</sup> – 10 mm<sup>2</sup>  
UL Values/stranded  
AWG 14 – AWG 8  
Conductor connection cross section single-wire: max. 10 mm<sup>2</sup>  
finely stranded: max 10 mm<sup>2</sup>  
finely stranded with AEH: max 6 mm<sup>2</sup>  
Strip length 13 mm

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#### Output

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

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#### United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
www.lutze.com • sales.gb@lutze.co.uk

#### Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt  
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)  
www.luetze.de • info@luetze.de

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Part No. [716421](#) • Datasheet version: 02

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SYSTEMATIC TECHNOLOGY

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#### General

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Accessories	Intermediate feed-in terminal
Connection type	Push-In single wire/fine wire 0.50 mm <sup>2</sup> – 10.0 mm <sup>2</sup> AWG 22 – AWG 7 fine stranded wire with ferrule finely stranded, ferrule with plastic collar 0.5 mm <sup>2</sup> – 6 mm <sup>2</sup> AWG 22 – AWG 9 UL Values AWG 14 – AWG 8
Strip length	<b>13 mm</b>
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 power terminal and end block)
Installation position	Any
Dimensions (w × h × d)	10.0 mm × 110.0 mm × 62.0 mm
Weight/unit	0.035 kg
PU (units)	2

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#### General ambient conditions

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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

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#### Certifications/Standards

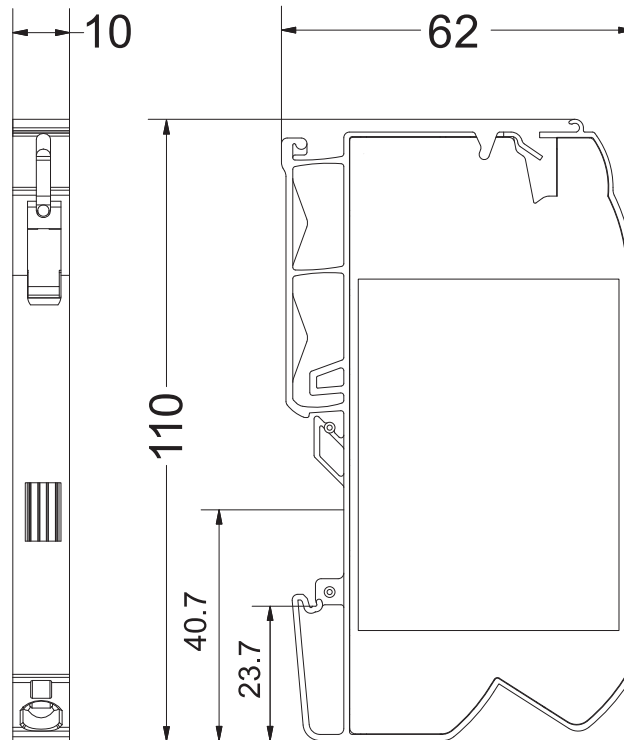
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Certifications	cULus (E135145)
Standards	UL 60947-5-1 DNVGL-CG-0339 Temperature Class D – not certified Humidity Class B – not certified Vibration Class B – not certified Enclosure Class A – not certified

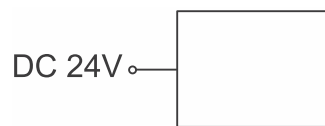
# Technical data sheet

## Load monitoring · LOCC-Box Accessories

### Dimensions



### PIN assignment



### Use

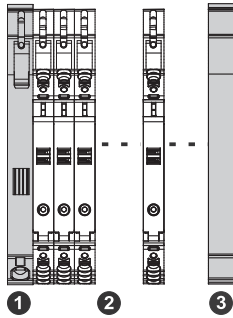


### Use

**DE Standard Anwendung**  
**EN Standard Application**  
**FR Application standard**

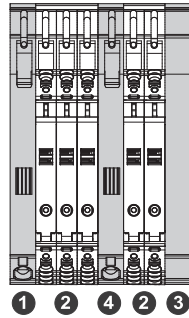
$L = 18 \text{ mm} + 8,1 \text{ mm} \times n$  ⑥

$L = 18 \text{ mm} + 8,1 \text{ mm} \times n$  ⑤

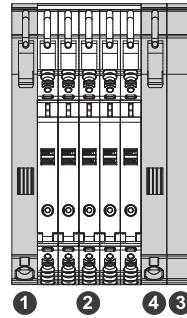


\*n= LOCC-Box Module/Modules  
 /Modules

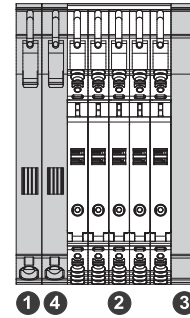
**DE Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch mittig**  
**EN Standard application with supply terminal and supply terminal cutout center**  
**FR Application standard avec borne d'alimentation et borne d'alimentation avec encoche au milieu**



**DE Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch rechts**  
**EN Standard application with supply terminal and supply terminal cutout right**  
**FR Application standard avec borne d'alimentation et borne d'alimentation avec encoche à droite**



**DE Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch links**  
**EN Standard application with supply terminal and supply terminal cutout left**  
**FR Application standard avec borne d'alimentation et borne d'alimentation avec encoche à gauche**



#### DE

- 1 Einspeiseklemme aus Set 716425/ 716447
- 2 Überwachungsbaustein – LOCC-Box
- 3 Endblock aus Set 716425/ 716447
- 4 Einspeiseklemme mit Ausbruch (716421)
- 5 Kupferschiene (716426/ 716426.xxx.x)
- 6 Abdeckung Kupferschiene (716427)

#### EN

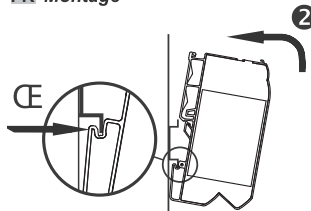
- 1 Supply terminal from set 716425/ 716447
- 2 Monitoring Module – LOCC-Box
- 3 End terminal from set 716425/716447
- 4 Supply Terminal with outage (716421)
- 5 Copper rail (716426/ 716426.xxx.x)
- 6 Cover copper rail (716427)

#### FR

- 1 La borne de raccordement au réseau se trouve dans le kit 716425/ 716447
- 2 Convertisseur de mesure – LOCC-Box
- 3 Borne d'extrémité est inclus dans le kit 716425/ 716447
- 4 Borne d'alimentation avec encoche (716421)
- 5 Barre de cuivre (716426/ 716426.xxx.x)
- 6 Recouvrement pour rail cuivre (716427)

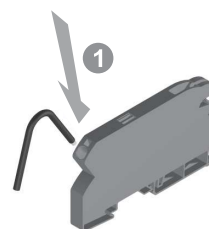
### Mounting diagram

**DE Montage**  
**EN Mounting**  
**FR Montage**

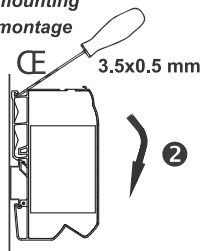


**⚠ HINWEIS / NOTICE / AVIS**

Push-In



**DE Demontage**  
**EN Demounting**  
**FR Démontage**



**⚠ HINWEIS / NOTICE / AVIS**

Push-In

