

## 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.	<a href="#">716421</a>

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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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#### General

Accessories	Intermediate feed-in terminal
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Part No. [716421](#) • Datasheet version: 02

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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	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

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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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#### Approvals/Standards

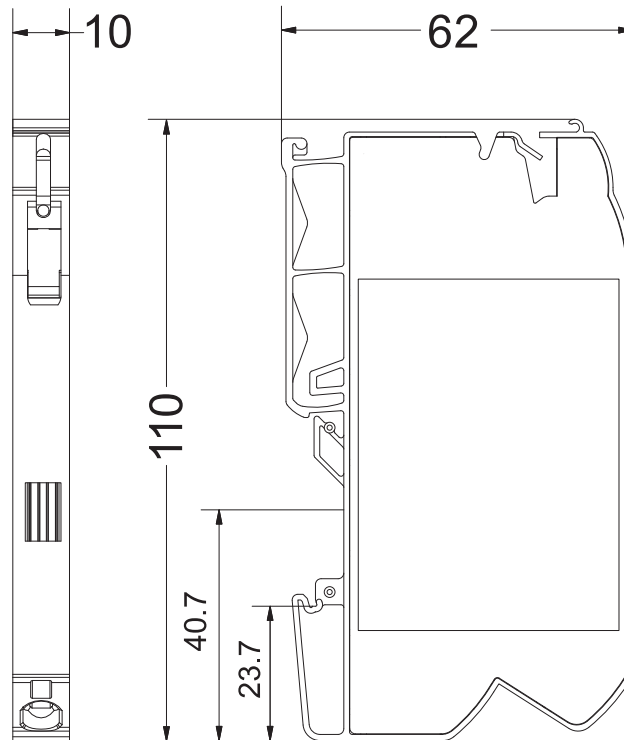
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Approvals	cULus (E135145)
Standards	UL 60947-5-1 DNVGL-CG-0339 Temperature Class D – not certified Humidity Class B – not certified Vibration Class B – not certified Enclosure Class A – not certified

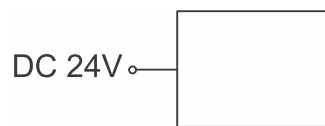
# Technical data sheet

## Load monitoring · LOCC-Box Accessories

### Dimensions



### PIN assignment



### Use



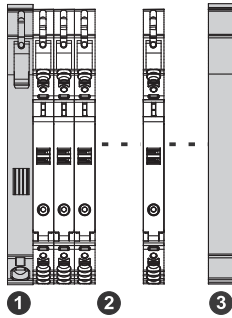
# Technical data sheet

## Load monitoring · LOCC-Box Accessories

### Use

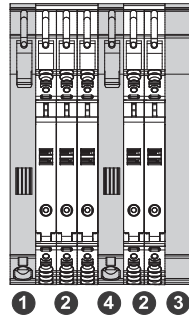
**DE Standard Anwendung**  
**EN Standard Application**  
**FR Application standard**

$L = 18 \text{ mm} + 8,1 \text{ mm} \times n$  **6**  
 $L = 18 \text{ mm} + 8,1 \text{ mm} \times n$  **5**

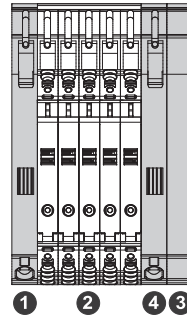


\*n= LOCC-Box Module/Modules  
 /Modules

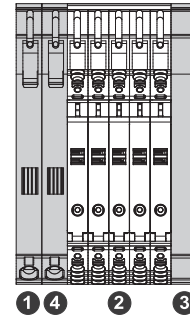
**DE Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch mittig**  
**EN Standard application with supply terminal and supply terminal cutout center**  
**FR Application standard avec borne d'alimentation et borne d'alimentation avec encoche au milieu**



**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)

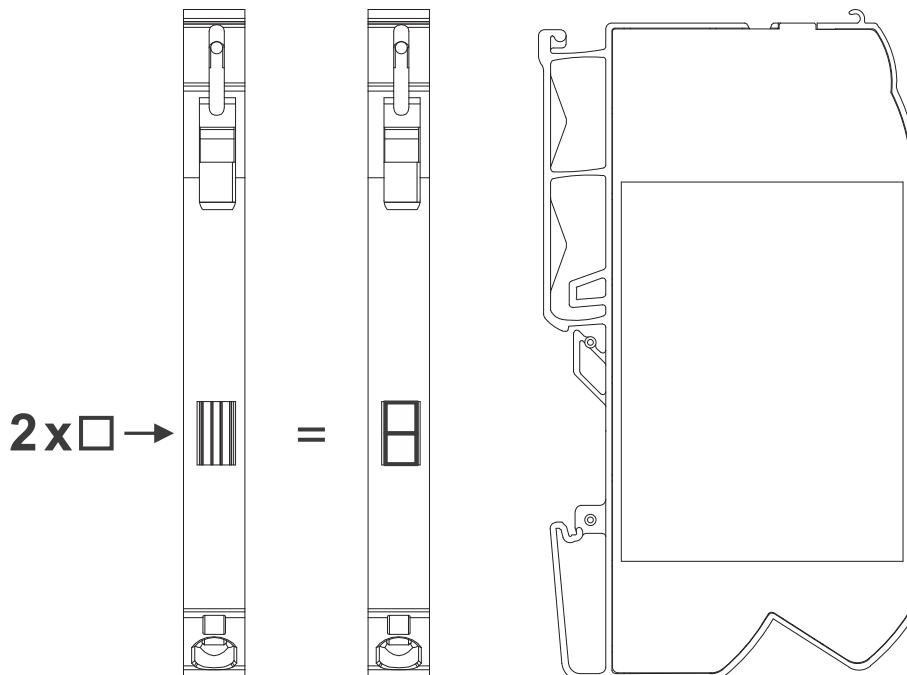
#### EN

- 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)

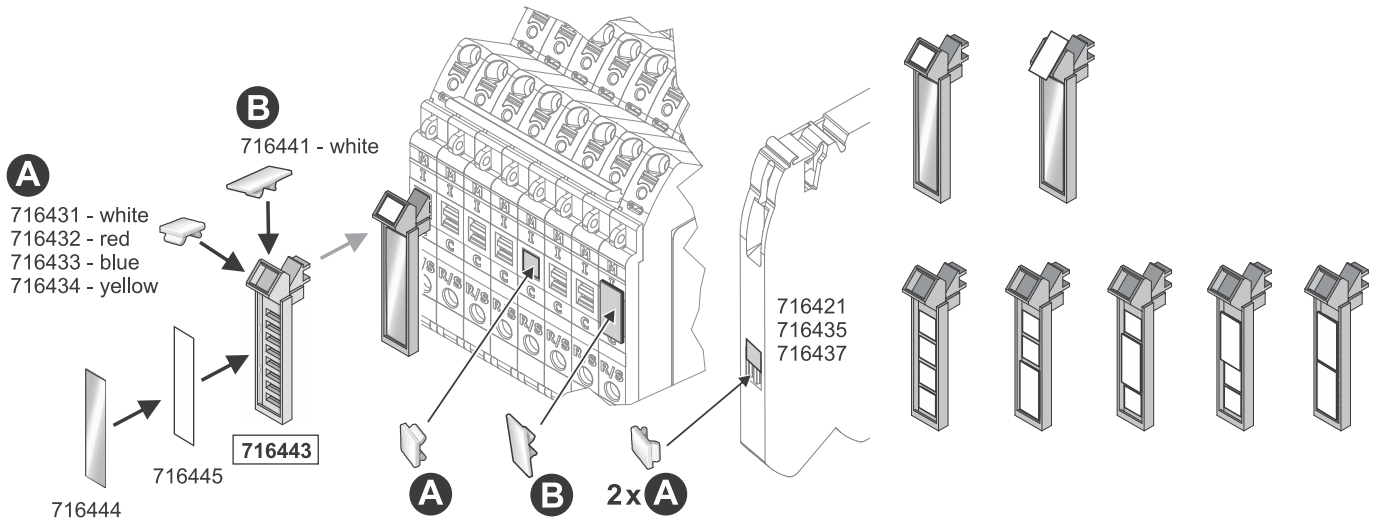
### Use



# Technical data sheet

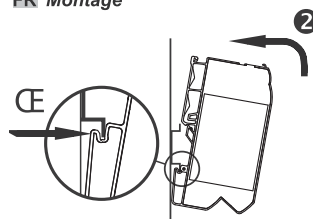
## Load monitoring · LOCC-Box Accessories

### Use



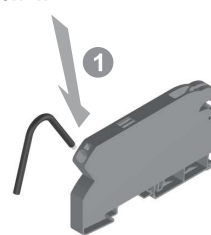
### Mounting diagram

DE Montage  
EN Mounting  
FR Montage

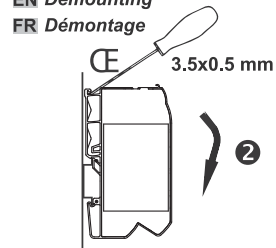


**⚠ HINWEIS / NOTICE / AVIS**

Push-In



DE Demontage  
EN Demounting  
FR Démontage



**⚠ HINWEIS / NOTICE / AVIS**

Push-In

