

Technical data sheet

Load monitoring · LOCC-Box Accessories

LOCC-Box supply terminal

Additional supply terminal for increased current

Maximum total current 40 A (UL: 35 A)



Identification

Type	LOCC-Box-EKL 7-6421
Part No.	716421

Product version

Hardware revision	2.0
Datasheet version	02

Input

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

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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24.04.2024 • Subject to technical modification

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

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General

Accessories	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, 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

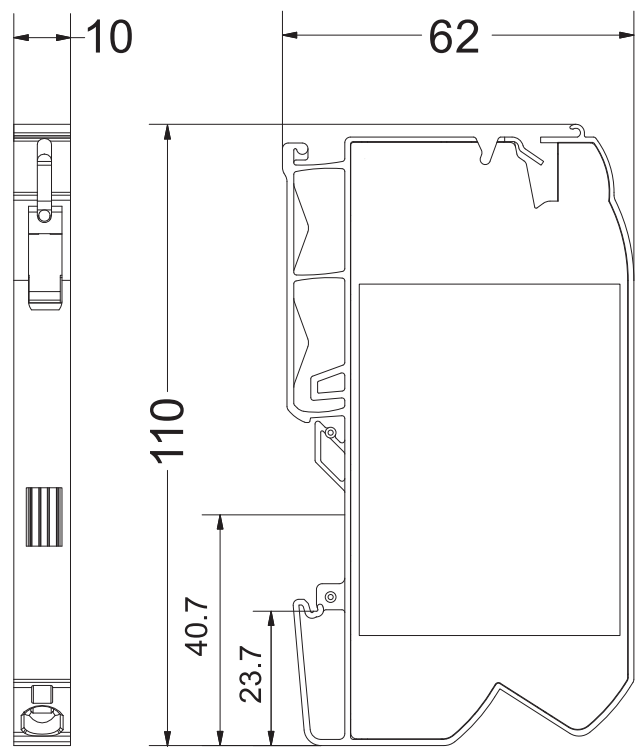
General ambient conditions

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

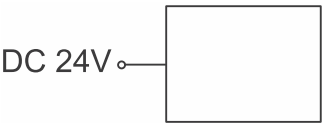
Certifications/Standards

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



PIN assignment



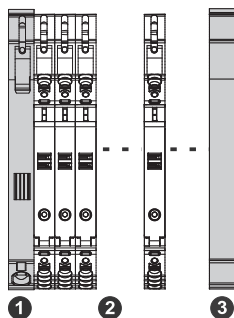
Use



Use

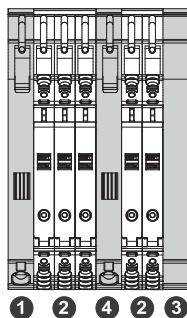
DE Standard Anwendung
EN Standard Application
FR Application standard

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

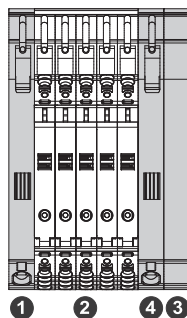


*n= LOCC-Box Module/Modules
/Modules

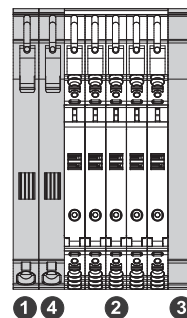
DE Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch mittig
EN Standard application with supply terminal and supply terminal cutout center
FR Application standard avec borne d'alimentation et borne d'alimentation avec encoche au milieu



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)

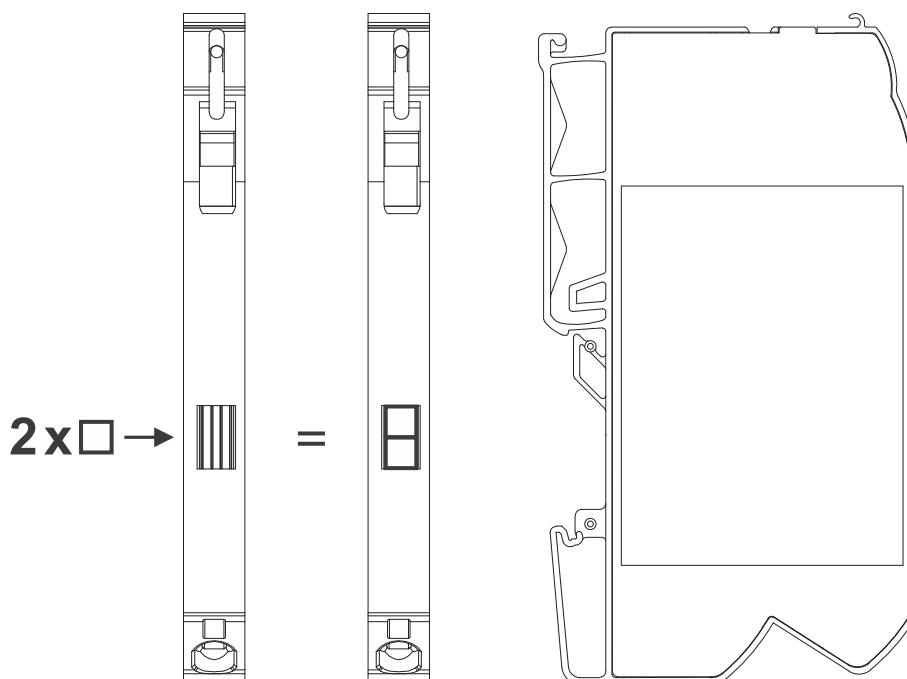
EN

- 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)

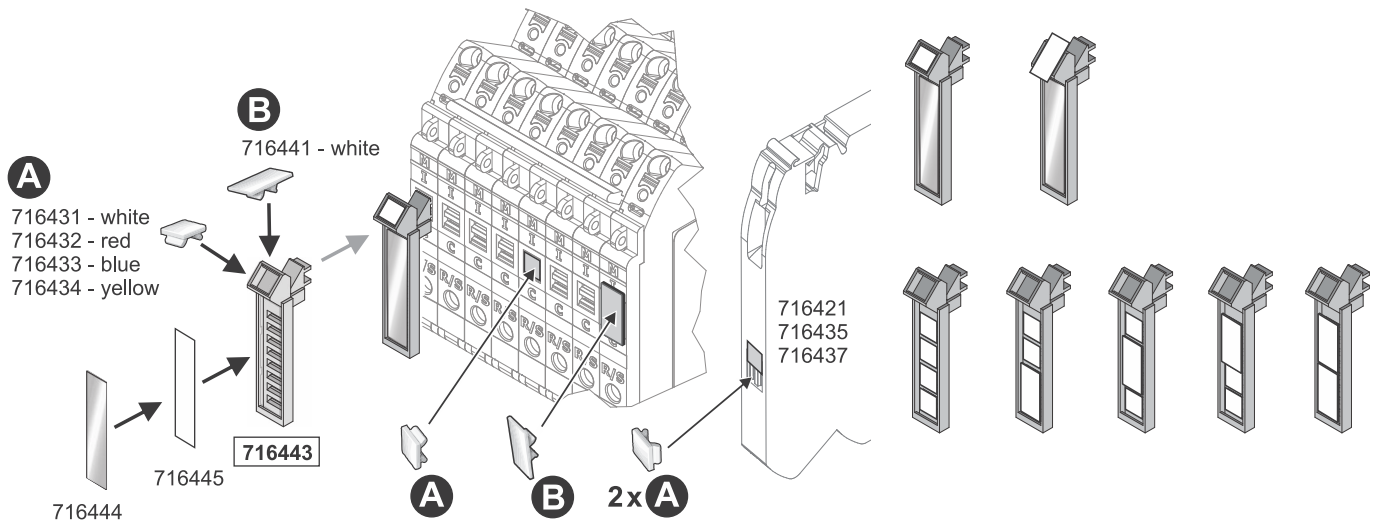
Use



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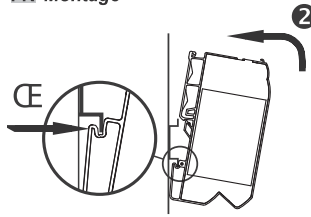
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Use



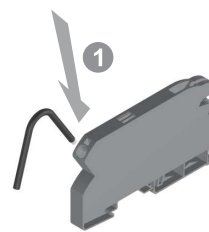
Mounting diagram

DE Montage
EN Mounting
FR Montage

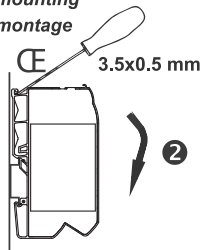


⚠ HINWEIS / NOTICE / AVIS

Push-In



DE Demontage
EN Demounting
FR Démontage



⚠ HINWEIS / NOTICE / AVIS

Push-In

