**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<br>0.5 mm² – 10 mm²<br>UL Values/stranded<br>AWG 14 – AWG 8 |
| Conductor connection cross section | Single-wire: max. 10 mm²<br>Finely stranded: max 10 mm²<br>Finely stranded with AEH: max 6 mm² |
| 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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## General

| | |
|---|---|
| Accessories | Intermediate feed-in terminal |
| Connection type | Push-In<br>Single wire/fine wire<br>0.50 mm² – 10.0 mm²<br>AWG 22 – AWG 7<br>Fine stranded wire with ferrule<br>Finely stranded, ferrule with plastic collar<br>0.5 mm² – 6 mm²<br>AWG 22 – AWG 9<br>UL Values<br>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<br>(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 |

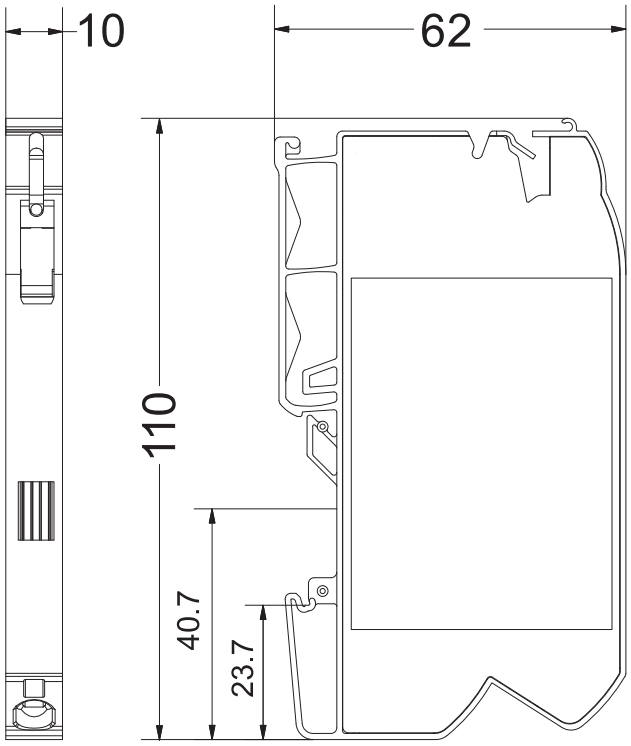
## General ambient conditions

| | |
|---|---|
| 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 |

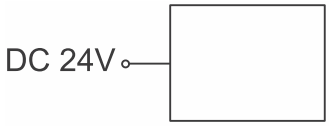
## Certifications/Standards

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

## Dimensions




## PIN assignment

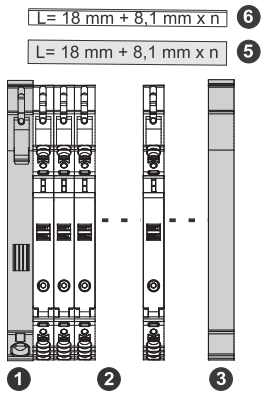



## Use



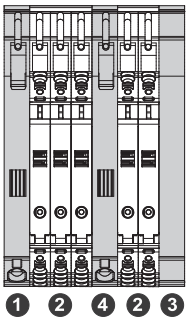
## Use

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

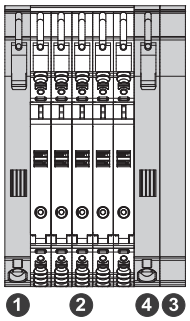



*n= LOCC-Box Module/*Modules*
*/Modules*

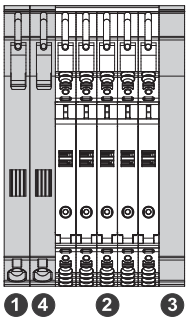
**DE** Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch mittig
**EN** *Standard application with supply terminal and supply terminal cutout center*
**FR** *Application standard avec borne d'alimentation et borne d'alimentation avec encoche au milieu*




**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)

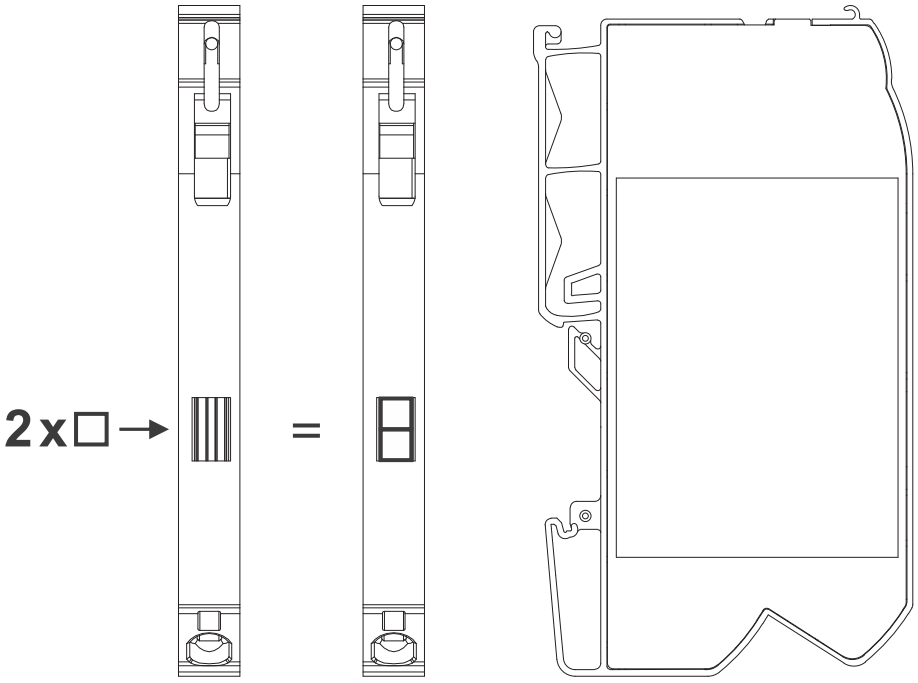
**EN**

**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)*

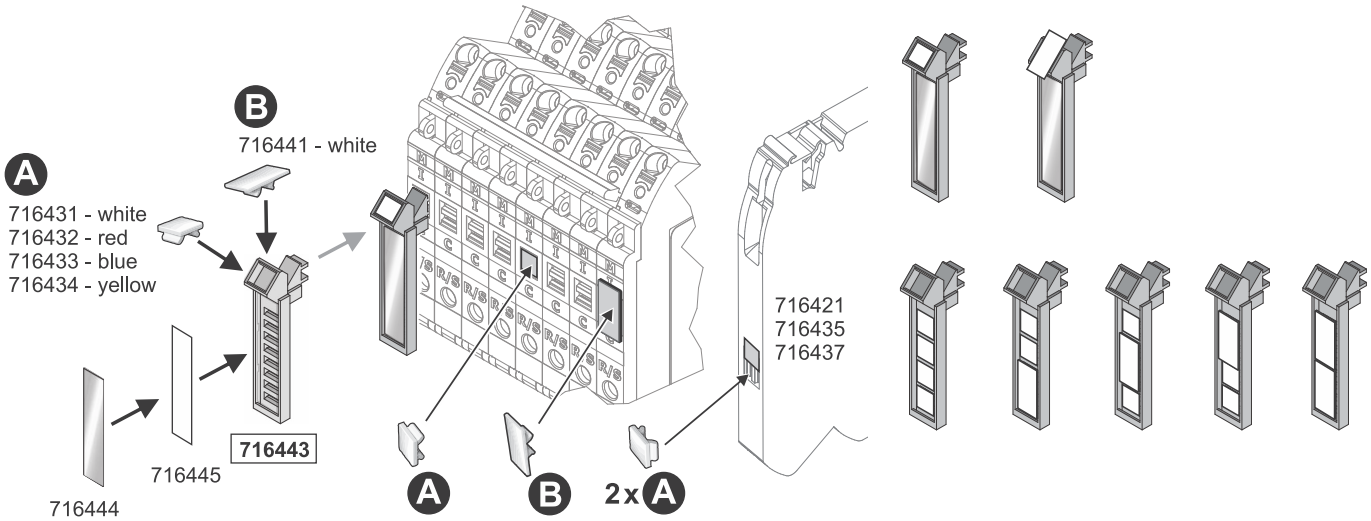
**FR**

**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



## Use




## Mounting diagram

