

## Technical data sheet

### Load monitoring · LOCC-Box Accessories

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**LOCC-Box supply set 16 mm<sup>2</sup>**  
**consisting of supply terminal and end block**  
**maximum total current 40 A (UL: 35 A)**



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#### Identification

Type LOCC-Box-ES16 7-6447  
Part No. [716447](#)

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#### Product version

Datasheet version 02

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#### 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 Spring terminal  
0.33 mm<sup>2</sup> – 16 mm<sup>2</sup>  
AWG 22 – AWG 6  
Conductor connection cross section single-wire: max. 16 mm<sup>2</sup>  
finely stranded: max 10 mm<sup>2</sup>  
finely stranded with AEH: max 10 mm<sup>2</sup>  
Strip length 18 mm

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#### 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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Part No. [716447](#) • Datasheet version: 02

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SYSTEMATIC TECHNOLOGY

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#### General

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Accessories	Supply set 16 mm <sup>2</sup>
Connection type	Spring terminal single wire/fine wire 1.50 mm <sup>2</sup> – 16 mm <sup>2</sup> AWG 16 – AWG 5 fine stranded wire with ferrule finely stranded, ferrule with plastic collar 1.5 mm <sup>2</sup> – 10 mm <sup>2</sup> AWG 16 – AWG 7 UL Values AWG 14 – AWG 6
Strip length	18 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 power terminal and end block)
Installation position	Any
Dimensions (w × h × d)	11.7 mm × 119.5 mm × 62.0 mm 10.0 × 119.5 × 62.0 mm
Weight/unit	0.045 kg
PU (units)	1

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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

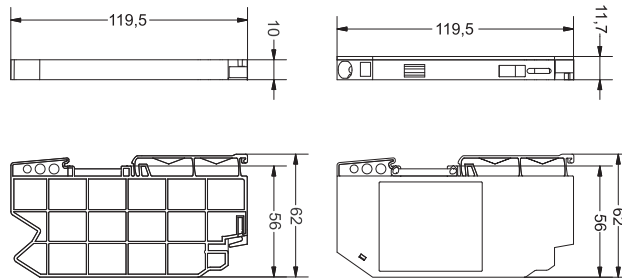
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Certifications	cULus (E135145)
Standards	UL 60947-5-1 DNVGL-CG-0339 Temperature Class D – not certified Humidity Class B – not certified Vibration Class B – not certified Enclosure Class A – not certified

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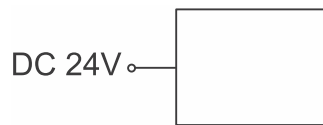
### Dimensions



DE Endblock  
EN End block  
FR Bloc d'extrémité

DE Einspeiseklemme  
EN Supply terminal  
FR Borne d'alimentation

### PIN assignment

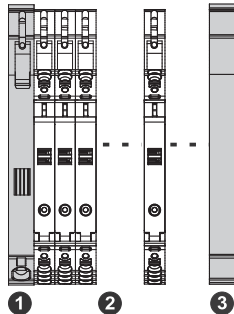


### Use

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

L = 18 mm + 8,1 mm x n **6**

L = 18 mm + 8,1 mm x n **5**



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

#### 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)

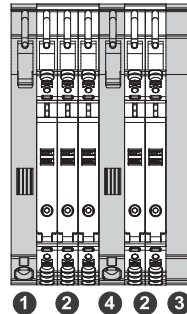
#### EN

- 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)

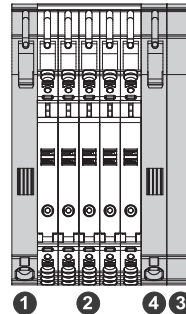
#### FR

- 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)

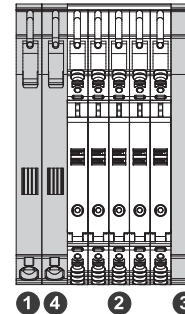
**DE** Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch mittig  
**EN** Standard application with supply terminal and supply terminal cutout center  
**FR** Application standard avec borne d'alimentation et borne d'alimentation avec encoche au milieu



**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



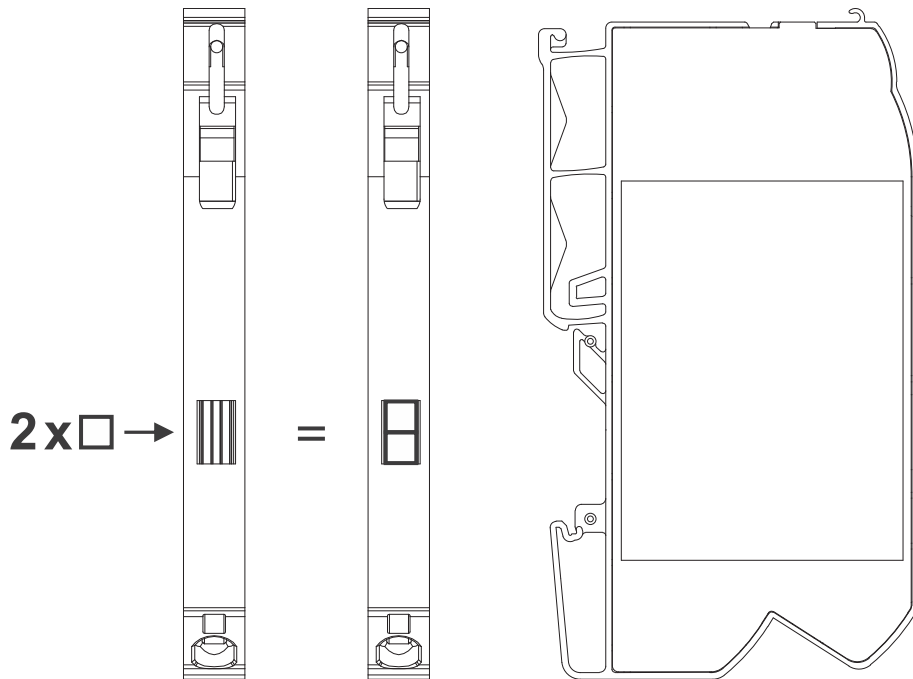
**DE** Anwendung mit Einspeiseklemme und Einspeisekl. mit Ausbruch links  
**EN** Standard application with supply terminal and supply terminal cutout left  
**FR** Application standard avec borne d'alimentation et borne d'alimentation avec encoche à gauche



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### Use



### Use

