

## Technical data sheet

### Load monitoring · LOCC-Box Accessories

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**LOCC-Box supply terminal**  
**maximum total current 40 A (UL: 35 A)**



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#### Identification

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Type LOCC-Box-EKL 7-6435  
Part No. [716435](#)

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#### Product version

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Hardware revision 2.0  
Datasheet version 02

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#### Input

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Rated voltage  $U_N$  DC 12/24/48 V  
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

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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. [716435](#) • Datasheet version: 02

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SYSTEMATIC TECHNOLOGY

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#### General

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Accessories	Supply terminal 10 mm <sup>2</sup>
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

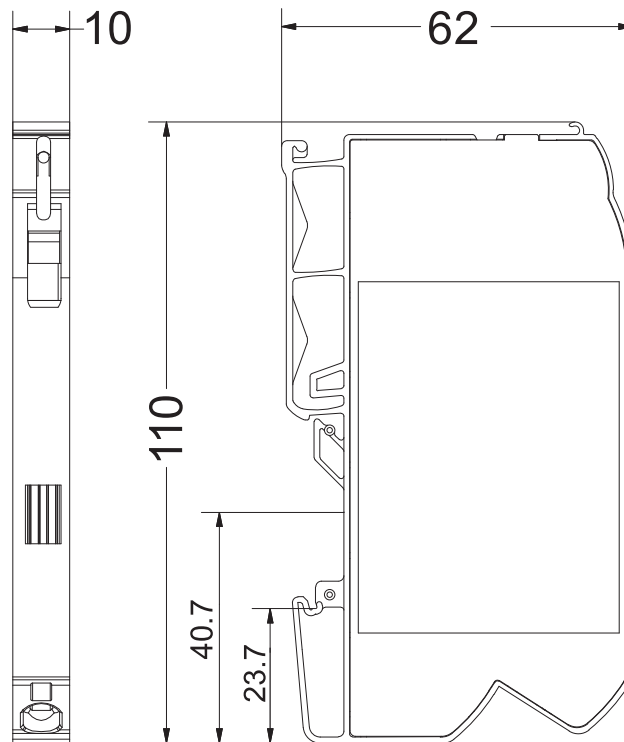
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Certifications	cULus (E135145)
Standards	UL 60947-5-1 DNVGL-CG-0339 Temperature Class D – not certified Humidity Class B – not certified Vibration Class B – not certified Enclosure Class A – not certified

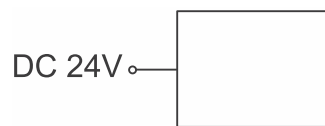
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### Dimensions



### PIN assignment



### Mounting diagram

