

Technical data sheet

Load monitoring · LOCC-Box Accessories

LOCC-Box 0V Collective Terminal

Maximum total current 40 A



Identification

Type	LOCC-Box-SK 7-6420
Part No.	716420

Product version

Hardware revision	2.0
Datasheet version	02

Input

Rated voltage U_N	DC 12/24 V
Rated current I_N	6 × max. DC 10 A
Reverse voltage protection	No
Connection type input	Screwless contact slide

Output

Output current	Max. DC 40 A
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General

Accessories	0 V collective terminal
Connection type	Push-In 0.25 mm ² – 2.5 mm ² AWG 24 – AWG 14
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 and end block)

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SYSTEMATIC TECHNOLOGY

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Installation position	Any
Dimensions (w × h × d)	8.1 mm × 107.4 mm × 116.0 mm
Weight/unit	0.102 kg
PU (units)	2

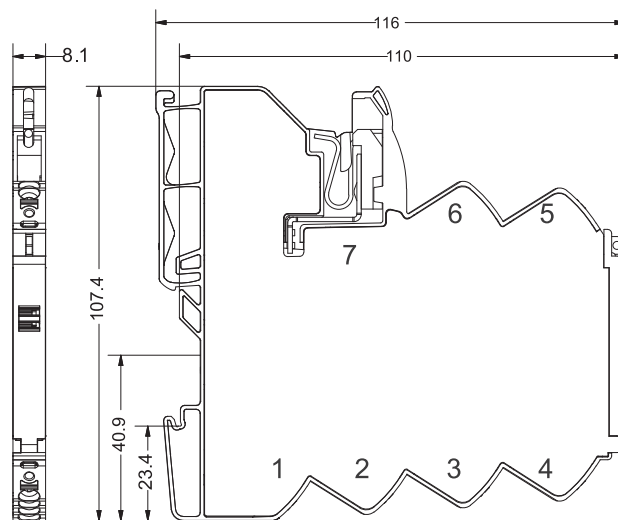
General ambient conditions

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

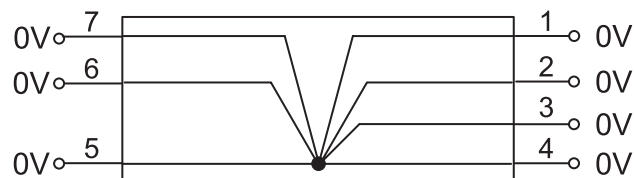
Certifications/Standards

Certifications	cULus (E135145)
Standards	EN 60947-1 EN 60947-5-1 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



The diagram illustrates the wiring connections for the power supply unit, terminal block, and device. The power supply unit (1) provides ground (GND), +5V, and +12V. These are connected to the corresponding pins on the terminal block (2) and the device (3). The terminal block also includes a PIN pin and a group of pins labeled PIN 5, 6 and PIN 1-8. The device has pins for GND, +5V, +12V, and a PIN pin.

- FR**
- 1 Bloc d'alimentation
 - 2 LOCC-Box modules avec kit d'alimentation
 - 3 Kit d'alimentation avec rail électrique
 - 4 Borne collectrice 0 V (716420 LOCC-Box-SK 7-6420)

A

716431 - white
716432 - red
716433 - blue
716434 - yellow

B

716441 - white

716443

716445

716444

A

B

2x **A**

716421
716435
716437

! HINWEIS / NOTICE / AVIS

Push-In
Montage/
Mounting/
Montage

Push-In
Demontage/
Demounting/
Démontage

3.5 x 0.5mm

1

2

3