

Control Box CB9

Data Sheet



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Introduction



The CB9 CARELINE and CB9 CARELINE Basic have been developed for use together with LA31/LA31R, LA34/LA34R in the Care & Rehab industry. CB9 and LA31 can be fully integrated which saves mounting and wiring or be installed separately.

Exchangeable mains cables, Electronic Overload Protection (EOP), EAS, earth connection (Class 1) and exchangeable mains fuse makes CB9 a good choice for the simple hospital and care beds.

Features and options

- Connection of max. 4 actuators, type LA31 and LA34, via 4-pole DIN sockets.
- Extremely compact design
- Mains voltage:
 - CB9 CARELINE - 100/120/230 V AC 50-60 Hz
 - CB9 CARELINE Basic - 230 V AC 50-60 Hz
- Output voltage 24V DC
- Protection class: IPX4 or IPX6 (not for wash tunnels)
- Colour: Grey or black
- DIN-socket for hand controls:
 - CB9 CARELINE: AK types: HB40, HB70, DP or FS
 - CB9 CARELINE Basic: AK types: HB40, HB70, DP or FS
- EOP = Electronic Overload Protection
- Locking mechanism for DIN plugs and mains cable
- Electronic protection of the relays for extended lifetime, EAS (simple EAS), available on all types
- Double power control (FET + relay) monitoring on all AK types
- Class 1 or 2 protection
 - CB9 CARELINE: Power supply indication via LED. Not available with mains cut-off
- Exchangeable mains fuse from outside
- External battery back-up and internal charger, use notation A for ordering
- External battery back-up (no internal charger), use notation B for ordering
- External battery back-up alarm, use notation C for ordering
- Can be mounted on the LA31
- Short cut protection

AK: Means common measurement on CH1, CH2, CH3 and CH4. If the total current exceeds 7A all channels will be cut off

Usage

- Duty cycle: Max. 10% or 2 min. continuous use followed by 18 min. not in use
- Ambient temperature: +5° to +40°C
- Compatible with up to 4 actuators, type LA31 and LA34, via 4-pole DIN sockets
- Compatible with BA18
- Mains supply grid should be limited to the highest prospective short circuit current of 35 A.
Demands to mains supply safety for the application in accordance with IEC 60601-1 ed. 3.2, § 8.11.5
- Approvals:
 - IEC60601-1
 - ANSI/AAMI ES60601
 - CSA CAN/CSA C22.2 NO. 60601-1
 - PSE Japan



Ordering information

- It is possible to order blind plugs for CB9 CARELINE IPX66.

Order number:

Grey: 00931082

Black: 00931081

O-rings are not needed for these rubber plugs.

- It is also possible to order blind plugs for the external battery box outlet (for BA1800)

Order number:

Grey: 00918035

Black: 00918034

O-rings 0007018

The blind plugs are delivered in plastic bags of 100 units in each bag.

- When ordering a CB with mains cable the O-ring and locking ring are automatically included (to maintain the IP degree). When ordering a mains cable you only need to specify if the O-ring and / or locking ring are required.

Order number:

O-rings 0007029

Locking ring 00912007



Ordering example

CB9 1 6 0 AK 4 + 0 0 0 1A

MAINS CABLE

Careline, LINAK connector, without earth:

- 10 Straight, EU, straight mains-plug-end and straight CB-end
- 11 Coiled, EU, straight mains-plug-end and straight CB-end
- 13 Straight, UK, angled mains-plug-end and straight CB-end
- 14 Straight, Japan, straight mains-plug-end and straight CB-end
- 15 Straight, USA, straight mains-plug-end and straight CB-end
- 17 Straight, AUS, straight mains-plug-end and straight CB-end
- 19 Without cable

Black

SML912036

SML912049
SML912344
SML912050
SML912061

Grey

SML912051
SML912062

SML912345

Careline Basic, non-detachable, without earth:

- 20 Straight, EU, straight mains-plug-end and straight CB-end
- 23 Straight, UK, angled mains-plug-end and straight CB-end
- 24 Straight, Japan, straight mains-plug-end and straight CB-end
- 25 Straight, USA, straight mains-plug-end and straight CB-end
- 27 Straight, AUS, straight mains-plug-end and straight CB-end

Black

0015262

Grey

0015295
0015504
0015502
0015503
0015505

Careline or Careline Basic, LINAK connector, with earth:

- 1A Straight, EU, angled mains-plug-end and straight CB-end
- 1B Coiled, EU, angled mains-plug-end and straight CB-end
- 1D Straight, UK, angled mains-plug-end and straight CB-end
- 1F Straight, USA, straight mains-plug-end and straight CB-end
- 1G Straight, CH, straight mains-plug-end and straight CB-end
- 1J Without cable

Black

SML912098

SML912099
SML912065
SML912066

Grey

SML912100
SML912068

Careline, mains cut-off, non-detachable, without earth:

- F0 Straight, EU (only CB9-transformer)

Black

00WP039C00-00

Grey

Careline, mains cut-off, non-detachable, with earth:

- FA Straight, EU (only CB9-transformer)

Black

00WP039C00-0A

Grey

MAINS VOLTAGE

- 0 CB9 transformer 230V
- 1 CB9 transformer 120V (Careline only)
- 2 CB9 transformer 100V (Careline only)
- 3 CB18 transformer 230V (Careline only and only AF, AL or AM-functionality)
- 4 CB18 transformer 120V (Careline only and only AF, AL or AM-functionality)
- 5 CB18 transformer 100V (Careline only and only AF, AL or AM-functionality)

FUSE COVER

- 0 No
- 1 Yes (Careline only)

BATTERY

- 0 No battery
- A Con. for ext. 24V bat. and internal charger (not compatible with mains cut-off)
- B Con. for ext. 24V bat. (no internal charger) (not compatible with mains cut-off)
- C Con. for ext. 24V bat., internal charger and alarm (not compatible with mains cut-off) (Careline only)

COLOUR

- + Grey
- Black

NO. OF CHANNELS

1 - 4

FUNCTIONALITY

- AK 7.0 A current cut-off limit at all ch. EAS

FLAME CLASSIFICATIONS

- 0 HB
- 1 V0 (Careline only)

IP DEGREE

- 4 IPX4
- 6 IPX6

PLASTIC HOUSING

- 1 Careline (without mains-indicator nor fuse-cover if mains cut-off)
- 2 Careline Basic (without mains-indicator)

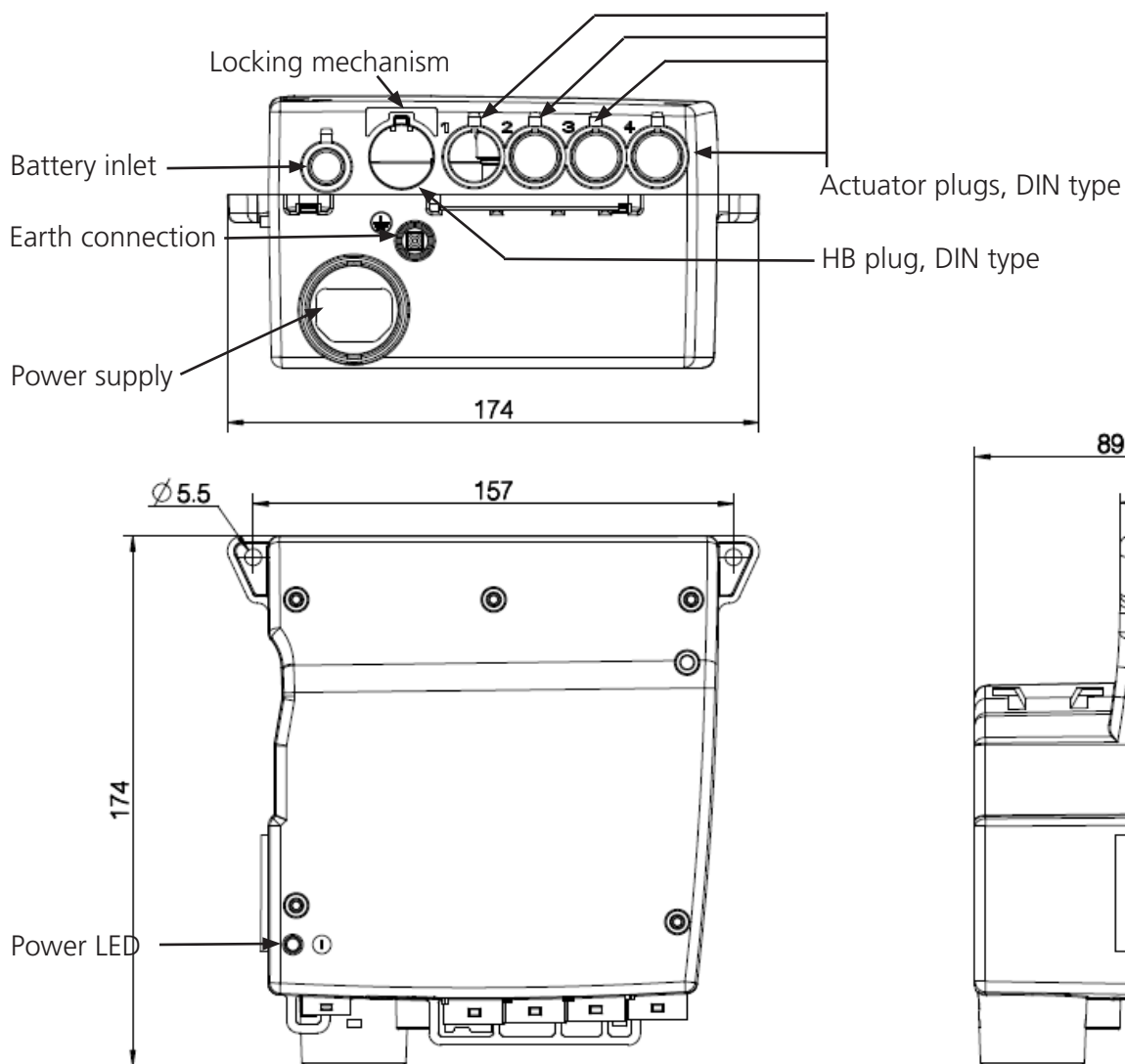
TYPE CB9



Dimensions

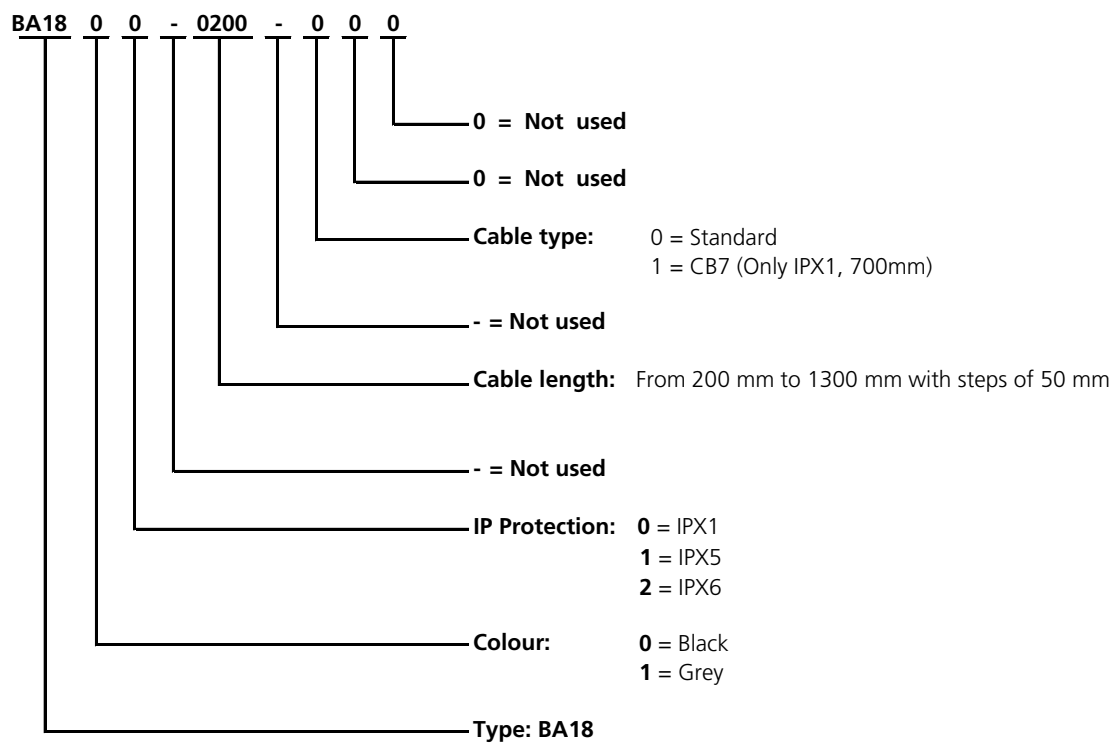
All dimensions are in mm.

CB9 CARELINE



Note: The tolerance between the mounting holes is +/- 0.5 mm.

Ordering example BA18



An external charging device is not available as standard article.



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