

The connection boxes are required to connect the Kathrein RRU/ARU readers to a power supply. Additionally, the supply of the connected devices can be switched off with a defined power switch. In contrast to the Basic Box CB-B2, the Advanced Box CB-A2 also allows the GPIOs to be connected via a connection panel to actuators (e.g. warning light) or sensors (e.g. light barrier). These terminal boxes are mainly used in industrial plants or in outdoor areas.



> General Specifications

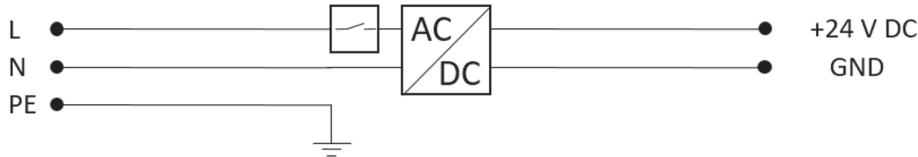
Order No.	52010539		52010540	
Type	CB-A2		CB-B2	
Input				
Voltage range	[V _{AC}]	100–240		
AC current @ 230 V _{AC}	[A~]	max 0.6		
AC frequency range	[Hz]	44–66		
GPIO		12 pins/ 4x input/4x output	-	
Ethernet RJ45		1x	-	
Output				
Voltage range	[V _{DC}]	24		
DC current	[A]	0 – 2.5		
Rated power, max	[W]	60		
GPIO		12 pins/ 4x input/4x output	-	
Ethernet RJ45		1x	-	
Operating temperature range	[°C]	–25 to +55		
Storage temperature range	[°C]	–40 to +85		
Weight	[kg]	3.6	1.8	
Dimensions	[mm]	250x250x130	160x160x100	
Standards		CE		
Housing material		plastic case, polyester		

> Key Applications

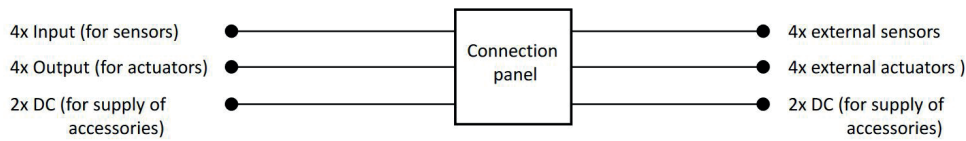
- industrial installation for AutoID devices
- Protected outdoor connection
- supply for DC (CB-A2; CB-B2)
- supply for GPIO and Ethernet (only with CB-A2)
- defined DC switch-off

> Block Diagram

AC/DC supply for CB-A2 and CB-B2



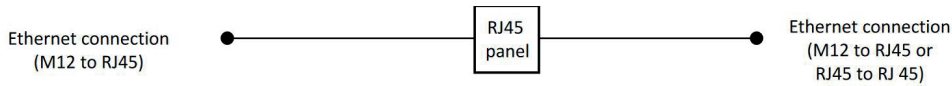
GPIO connection for CB-A2



> Note

The exact assignment of the connection panel can be found in the Kathrein RFID Reader User Guide.

Ethernet connection for CB-A2

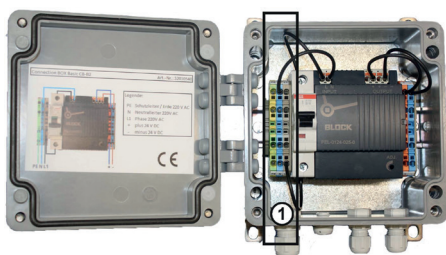


> Safety Note

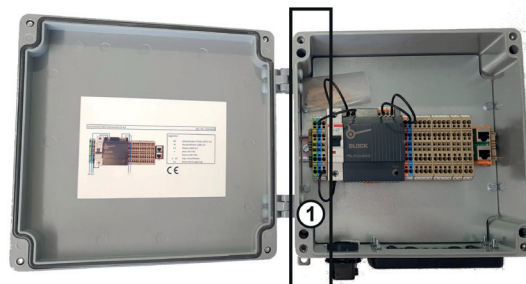
> WARNING

Improper interventions in the device can endanger its electrical safety. Unauthorised modifications to the unit and the use of spare parts and peripherals not sold or recommended by the manufacturer may result in fire, electric shock and injury.

- ▶ Ensure that the connection of the area marked ① in the figure below is performed by appropriately qualified and trained personnel. The manufacturer accepts no liability for accidents or defects in connection devices caused by faulty wiring!



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