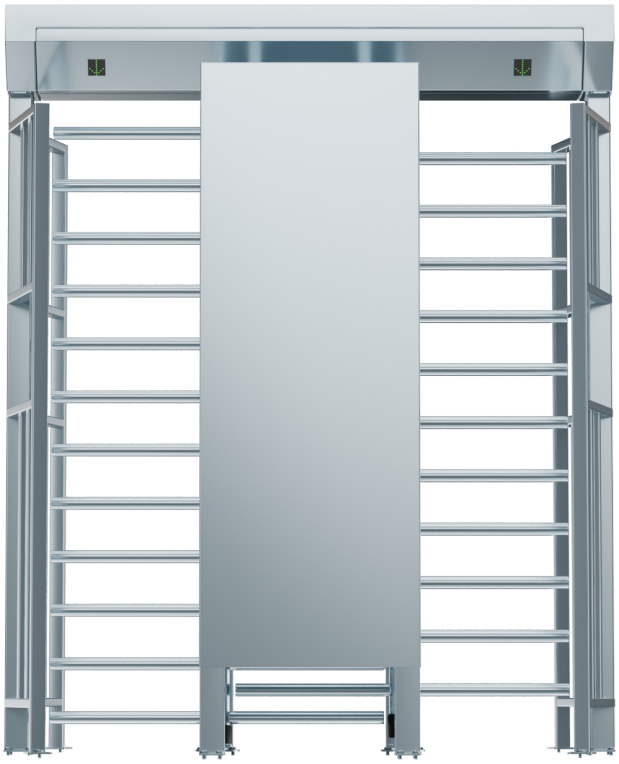
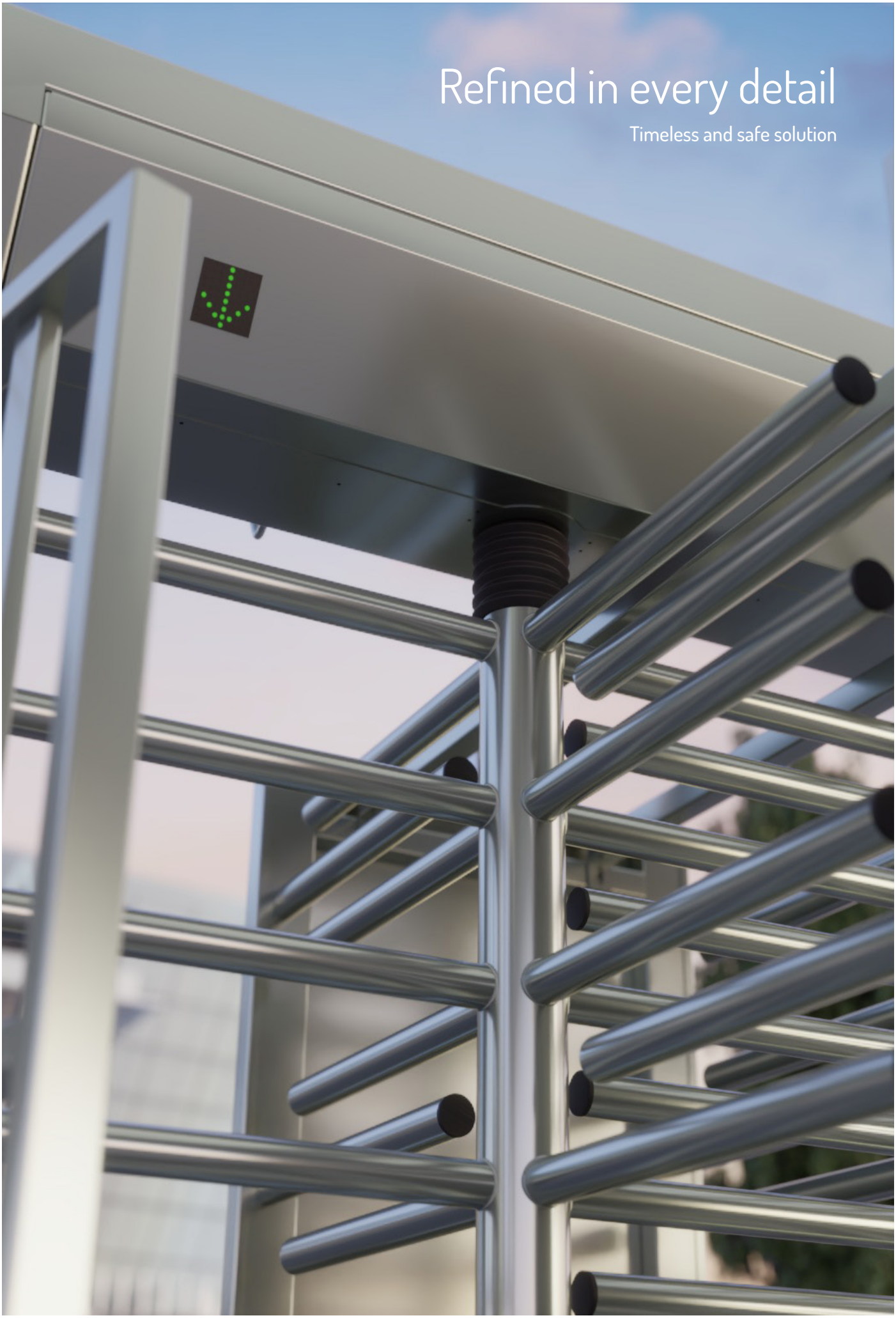
FULL HEIGHT TURNSTILE

BA3-2-S

ELECTRICAL



GASTOP®



Refined in every detail

Timeless and safe solution

Application Areas

Where time and security matter.

APPLICATION

A device designed to support access control in secured outdoor and also indoor areas.

EXAMPLE OF APPLICATIONS:

- facilities requiring strict access control (sports stadiums, embassies, offices, airport areas),
- railway stations (e.g. ticket control/passenger traffic authorization points),
- entrance authorization control points in public utility buildings,
- ticket and fee control points (e.g. in sports facilities, entertainment venues, exhibitions, theaters, cinemas),
- access control and work time registration points
- in workplaces.

Reliable solution

Full-height protection. Zero compromise.

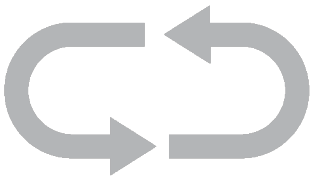
DEVICE FUNCTIONS

EASY SET-UP

Easy configuration of operating modes and functions via a control panel with display and manipulator.

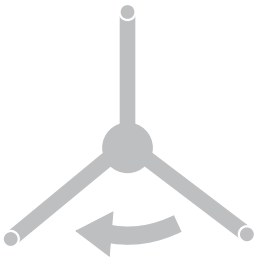
PICTOGRAMS LED

Visual signaling (LED pictograms) indicates which movement directions within the passage section are enabled or disabled. A red cross indicates a blocked direction (the device prevents passage), while a green arrow indicates an open/unblocked direction.



OPERATION MODE

The device supports various operating modes, such as bidirectional pedestrian traffic control or control in a selected single direction.

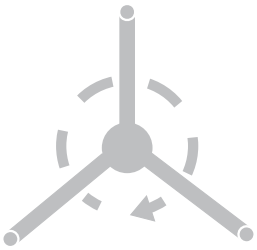


PRECISION POSITIONING SYSTEM

The device is equipped with an electronic rotor position measurement system that allows the controller to operate the locking mechanism and control the smooth motion of the arms (in the model with electromechanical movement assistance).

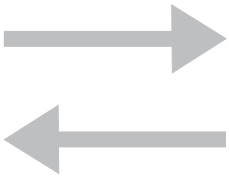
PERMANENT BLOCKADE

The device features a locking mechanism with a damping system, which significantly extends the lifespan of the mechanical components.



ARM ROTATION SUPPORT

The mechanism includes an electromechanical system that assists the rotational movement of the rotor. When force is applied to the rotor arm (push), the motor is activated to assist the rotation to the end position.



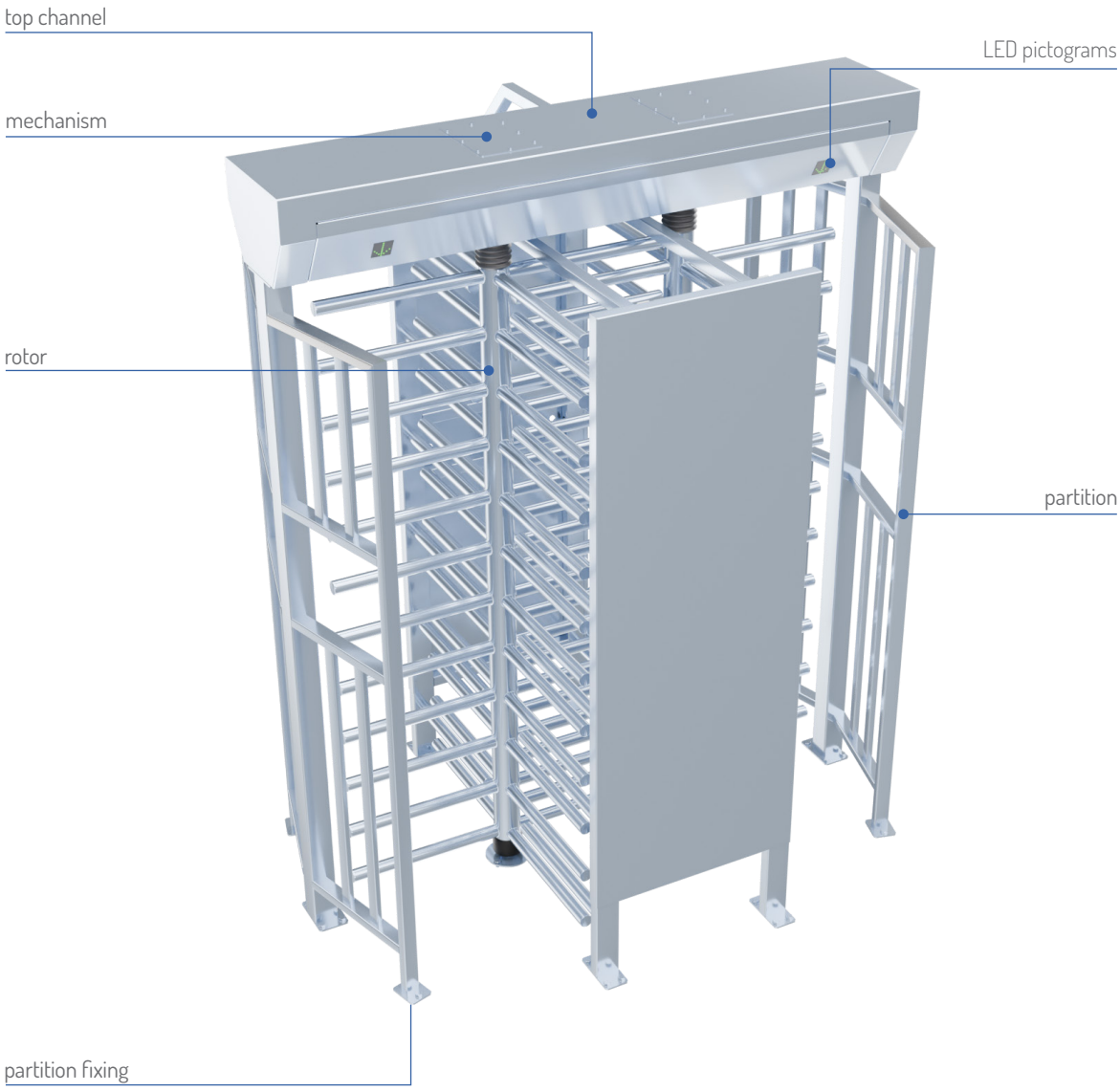
BIDIRECTIONAL MOVEMENT

The device supports pedestrian access control in both directions — entry and exit from the secured area.

SECURITY SYSTEM

The device can be integrated with an intelligent building security system.

DEVICE DESCRIPTION



PARAMETERS

CONTROL SYSTEM

- Control input (0V signal) for each movement direction separately.
- Feedback output (0V signal) indicating that a person has passed through, based on an authorization signal.
- Higher-priority inputs for disabling the passage section (e.g., from a building management system).
- Highest-priority input for unblocking/opening the passage section (e.g., from a fire protection system).
- Additional features: memory of control signals during the operation cycle, LED indication, automatic calibration.

MECHANISM

- Electromechanical arm movement assistance.
- Arm movement locking system.
- Precise rotor position measurement system.
- „Free exit" mechanism in case of power failure.

CONSTRUCTION OF THE DEVICE

- The device's outer housing is made of AISI 304 stainless steel.

TECHNICAL PARAMETERS

Power supply voltage:	24V AC/DC
Maximum power consumption:	2,5 A
Maximum current power consumption:	0,7 A
Steering signal:	(max. 1 sec)
Feedback signal:	potential-free NO/NC
Operation temperature:	-25° to +50° C [-13° to 122°F]
Storage temperature:	-30° to +60° C [-22° to 140°F]
IP protection rate:	IP 43*
Environment humidity:	10-80%

BASIC OPTIONAL EQUIMENT*

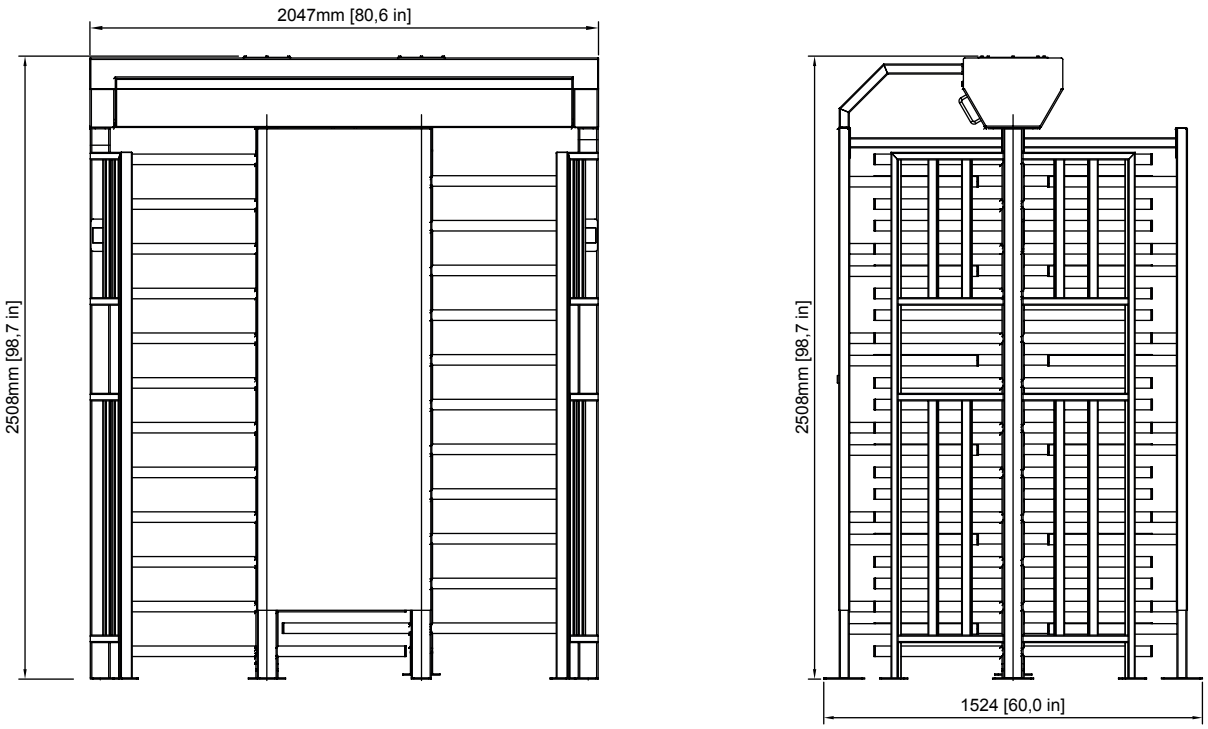
NAME	DESCRIPTION
Power supply	Power supply 110/24V
Control panel	Control panel for manual traffic control

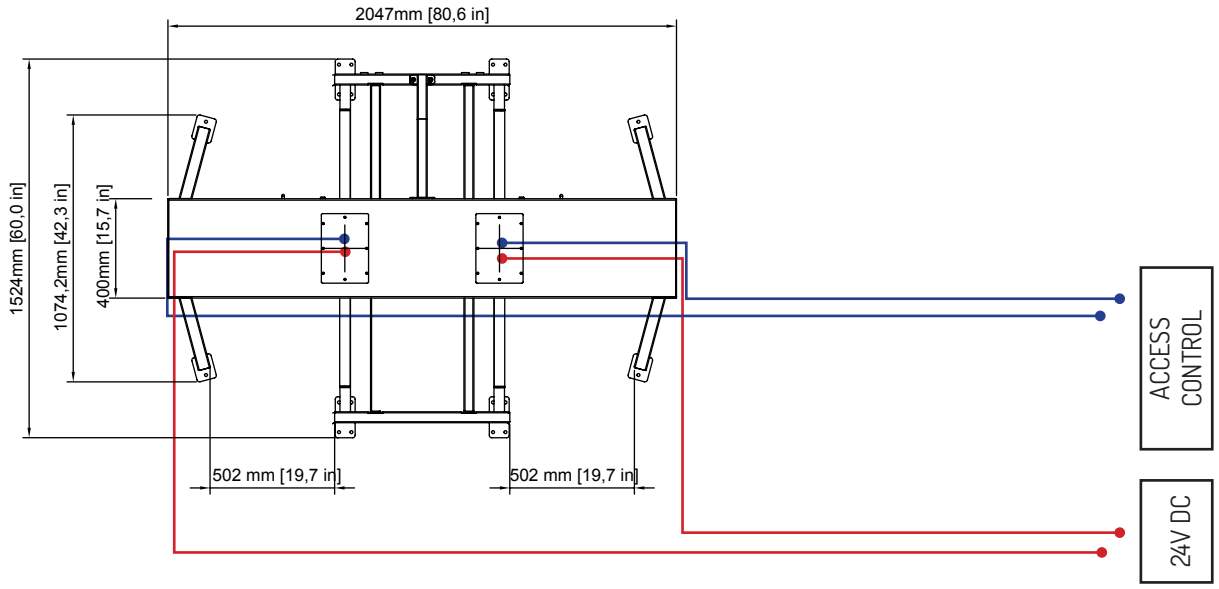
*Optional equipment are not included with the device. Other additional options are available in equipment catalogue.

DEVICE NAMING SCHEME

Electric ZABR3	BA3-2-S-E-SSS	Frame - Stainless Steel, Top channel - Stainless Steel, Rotor - Stainless Steel
	BA3-2-S-E-GGS	Frame - Galvanized, Top channel - Galvanized, Rotor - Stainless Steel
	BA3-2-S-E-GGG	Frame - Galvanized, Top channel - Galvanized, Rotor - Galvanized
	BA3-2-S-E-PPS	Frame - Powder Coated, Top channel - Powder Coated, Rotor - Stainless Steel

DIMENSIONS





KEY:

External control: via S/UTP twisted pair cable

Power supply: 24V DC – cable type 0MY 3x1.5 mm

Mounting base

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