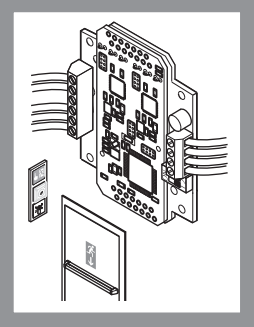


Read this manual thoroughly before use and keep it in a safe place for later reference. The manual contains important information for the safe mounting and installation of the product.

Intended use



The *ePED® Lock interface 1386S00* is intended for connection of escape route locking systems to the Hi-O Technology™ bus of an escape door system.

The product has been designed for the safe-guarding of escape routes and has been tested according to the requirements of EltVTR. Deviating uses or device combinations not described in the approval are not permitted.

ASSA ABLOY *Sicherheitstechnik GmbH* can provide the necessary planning information for approved solutions and the device combinations required for your application. The usage must be coordinated with the requirements of the inspection authorities. Contact the responsible inspection authority for this purpose.

Compliance with all relevant inspection authority requirements is mandatory for the use, particularly with respect to the

- coordination of the safety concept with the responsible inspection authority and
- modifications of door elements.

The device is suitable for installation, configuration and use, according to these instructions. Any use beyond this is deemed as non-intended use; device combinations which are not described are not permitted.

ASSA ABLOY
Sicherheitstechnik GmbH
Bildstockstraße 20
72458 Albstadt
DEUTSCHLAND
Tel. +49 7431 123-0
albstadt@assaabloy.com
www.assaabloy.com/de

Documentation
for ePED®



ASSA ABLOY
Opening Solutions

<https://aa-st.de/file/D01203>

Safety instructions

Target group

The installation and configuration of the product must be carried out by an electrician, with expertise in escape-door control systems certified by ASSA ABLOY in accordance with the building authority requirements for electromechanical locking devices for doors in escape routes. The electrician is obliged to apply the recognised rules of technology, inspection directives of the federal states and to update this knowledge on a regular basis.

Further knowledge of the product is required for the subsequent inspection of the correct mounting and installation, commissioning and maintenance. This does not form part of this manual.

Meaning of the symbols



Danger!

Safety notice: Failure to observe these warnings will lead to death or serious injury.



Warning!

Safety notice: Failure to observe these warnings may lead to death or serious injury



Caution!

Safety notice: Failure to observe these warnings can lead to injury.



Attention!

Note: Failure to observe these warnings can lead to property damage and impair the function of the product.



Note!

Note: Additional information on operating the product.

Fitting and installation

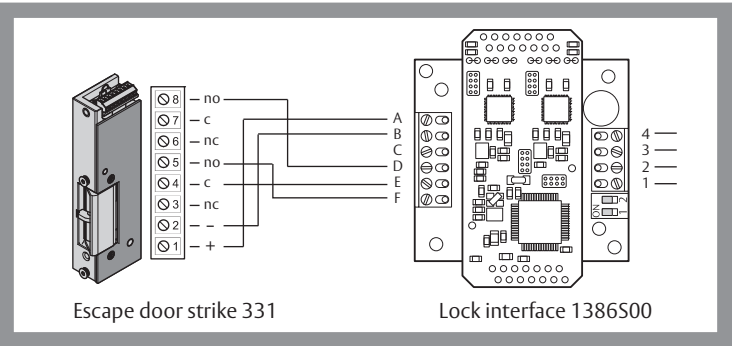
Electrical connection



Note!

Malfunction on uncomplete configuration/termination of the Hi-O Technology™ bus: Pay attention to the manual D01021xx.

The components of the *ePED® 1386-00 door terminal* are connected to other components of the door system via the *Hi-O Technology™* bus.



Configuring safety functions / severing jumpers

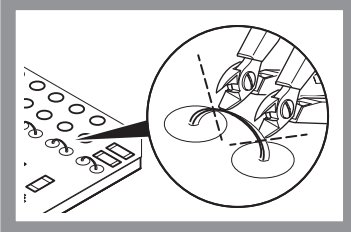
With the Lock interface 1386S00, safety functions are switched off by severing jumpers on the circuit board. There are two separate jumpers which form a jumper pair for each safety function. Both jumpers in a jumper pair must always have the save status.

The adjusted safety functions still have to be activated during the commissioning (separate manual *D01022xx ePED® Escape Door Terminal 1836-00*).


















Attention!

Property damage due to the severing of a jumper with electrical current switched on: The *Lock interface 1386S00* must be de-energised prior to the severing of a jumper.



- 1 Refer to the table to determine which jumpers must be severed in order to switch on or reverse safety functions.
- 2 Sever the jumpers by making two cuts in one segment to ensure that the contact has been disconnect-ed.

Jumper pairs			Central station¹ can deactivate local Emergency open	C €-Confor- mity	maximum Release delay
J1a/J1b	J2a/J2b	J3a/J3b			
			–	Yes	keine
			–	Yes	t ₁ 1 s ... 15 s t ₂ 1 s ... 180 s¹
			Yes	Yes	t ₁ 1 s ... 15 s t ₂ 1 s ... 180 s¹
			–	No	t ₁ 1 s ... 120 s t ₂ 1 s ... 300 s¹
			Yes	No	t ₁ 1 s ... 120 s t ₂ 1 s ... 300 s¹

¹ Only possible in combination with the *Central control unit 1386CMC*.



Warning!

Danger arising from modification of the product: The safety features of this product are an essential requirement for its conformity with EltVTR. No changes which are not described in this manual may be undertaken.

Danger due to missing Emergency Open button on the escape door: If the release of the escape door is centrally controlled, it is no longer possible to independently choose to exit the danger area in the case of danger. This always requires an approval from the responsible inspection authority. Normally, a constantly manned station equipped with a central release mechanism is prerequisite for the approval.

Danger due to faulty commissioning: In order to ensure the safety of the product, commissioning must be performed by a qualified person. *ASSA ABLOY Sicherheitstechnik GmbH* offers training for qualification in the requisite skills.

Danger arising from tampering or improperly performed repairs: If the *PED® Terminal 1386-00* or parts of the device cannot resume normal operation after a fault or alarm message, or damage is present, the device may only be repaired by a qualified person. Please contact the customer service of the installation company or the support department of *ASSA ABLOY Sicherheitstechnik GmbH*.

Danger due to incorrect combinations or connection of components: An impermissible combination of components or a faulty connection can lead to dangerous loss of function. The permissible combinations and correct connection as well as the maximum number of combinable locks can be found in this manual and in the separate manual supplied with the components. Only the components listed in the test certificates are permitted.



Warning!

Danger due to faulty or improperly performed maintenance: The owner is responsible for correct installation and functional inspection of the product and connected components.

- The safe function must be tested by a trained qualified expert **at least once per year**.
- Requirements established by inspection authorities must be complied with, *ASSA ABLOY Sicherheitstechnik GmbH* offers training for qualification in the requisite skills.



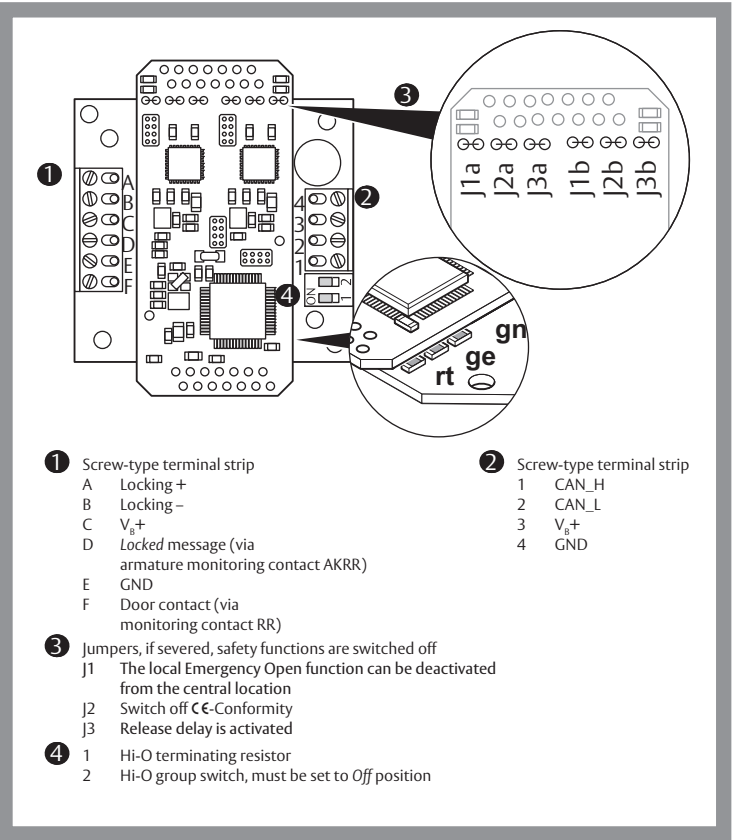
Attention!

Limitation of function with incorrect operating voltage at the components: A power supply unit in accordance with SELV requirements must be used. Separate mains adapters must be connected for the supply of devices with power consumption higher than 100 VA. The appropriate mains adapter, the cable lengths, and cable cross sections must be chosen according to the local circumstances. Check and ensure that the operating voltage at the connection points is suitable for the components.



Note!

Protection rating IP 30 must be achieved: Distribution boxes which achieve a minimum protection rating of IP 30 must be used for the installation.



- 1** Screw-type terminal strip

A Locking +
B Locking –
C V_s+
D Locked message (via armature monitoring contact AKRR)
E GND
F Door contact (via monitoring contact RR)
- 2** Screw-type terminal strip

1 CAN_H
2 CAN_L
3 V_s+
4 GND
- 3** Jumpers, if severed, safety functions are switched off

J1 The local Emergency Open function can be deactivated from the central location
J2 Switch off C €-Conformity
J3 Release delay is activated
- 4**

1 Hi-O terminating resistor
2 Hi-O group switch, must be set to *Off* position

LED display
















Status	LED gn	LED ye	LED rd
Operation - unlocked	X		
Operation - locked	X		X
Emergency unlocked / safety-related fault	X	Flashes	
Offline - not configured	Flashes	Flashes	Flashes
Offline	Flashes		Flashes
Safety processors - not configured	Flashes		X
Finder	Flashes		

Test log for commissioning




Note!


The test log facilitates subsequent maintenance: Fill in this test log carefully. Carefully remove and save this test log and present it to the qualified repair technician in case of malfunctions.

Item to be tested	Test log entry Jumper pairs		
Selected security settings			
Identify the configuration			
			
			
			


Feature	Characteristic
Voltage supply V _B	24 V (+/-15 %) SELV
Voltage drop between supply voltage and output voltage	approx. 1 VDC
Rated current consumption	100 mA (without locking element)
Maximum output current for locks	600 mA
Maximum release delay after pressing of the Emergency Open button	
• DIN EN 13637	t ₁ 1 s ... 15 s t ₂ 1 s ... 180 s
• without CE certification (EU export)	
• with local control	t ₁ 1 s ... 120 s
• with central control	t ₂ 1 s ... 300 s
Application Site	for use in indoor areas
Protection rating	IP30 (when completely mounted)
Operating temperature	-10 °C – +55 °C
Test certificate in accordance with	ElVTR DIN EN 13637:2015



Certification

 **Open Source Licenses**
ASSA ABLOY Sicherheitstechnik GmbH has the source code of the software used in the scope of Open Source licenses (such as FreeRTOS™, newlib, lwIP) available on request: <http://www.assaabloy.com/com/global/opensourcelicense/>

 **Hi-O Technology™**
is a registered trademark of ASSA ABLOY


ePED® is a registered trademark of ASSA ABLOY Sicherheits GmbH.





ASSA ABLOY
Sicherheitstechnik GmbH

Bildstockstraße 20
72458 Albstadt
DEUTSCHLAND



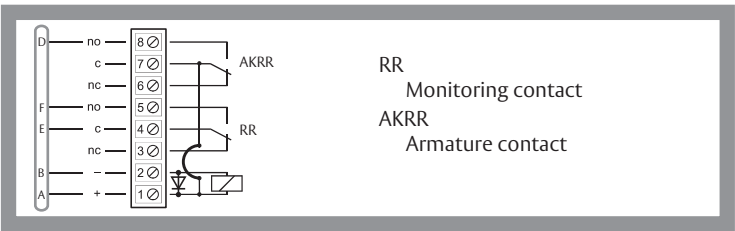
The EU Declaration of Conformity can be found in the download area of www.assaabloy.com/de

Locking element

A maximum of one locking element may be connected. Since 24 VDC should be preferentially used for the voltage supply, the locking element must be selected accordingly.

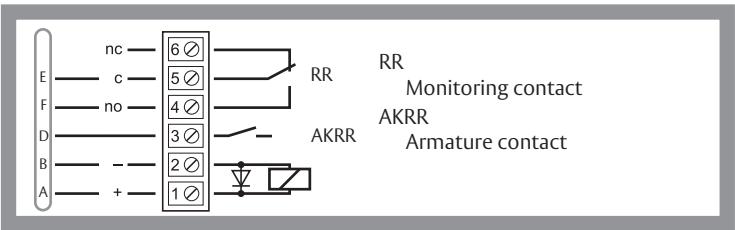
Escape Door Strike 331

Item	Value
Rated Operating Voltage	24 V ± 2 V
Rated current consumption	160 mA
Max. load capacity of the monitoring contacts	25 V / 1 A



Escape Door Strike 332

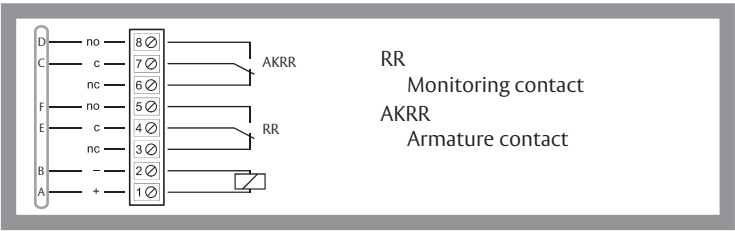
Item	Value
Rated Operating Voltage	24 V ± 10 %
Rated current consumption	95 mA
Max. load capacity of the monitoring contacts	25 V / 1 A



Escape door strike 352M

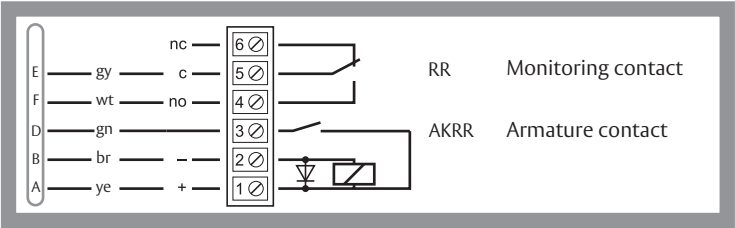
Intended solely for use in swing doors.

Item	Value
Rated Operating Voltage	24 V
Max. Rated current consumption	370 mA at operating voltage -15 %
Max. load capacity of the monitoring contacts	RR 25 V / 100 mA AKRR 25 V / 500 mA



Security Door Closer DC700G-FT

Item	Value
Rated Operating Voltage	24 V ± 10 %
Rated current consumption	95 mA
Max. load capacity of the monitoring contacts	25 V / 1 A

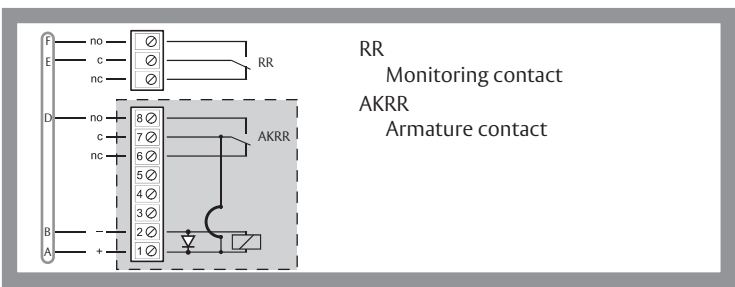


Strike for Swing Doors 351U66

Item	Value
Rated Operating Voltage	24 V ± 2 V
Rated current consumption	160 mA
Max. load capacity of the monitoring contacts	25 V / 1 A

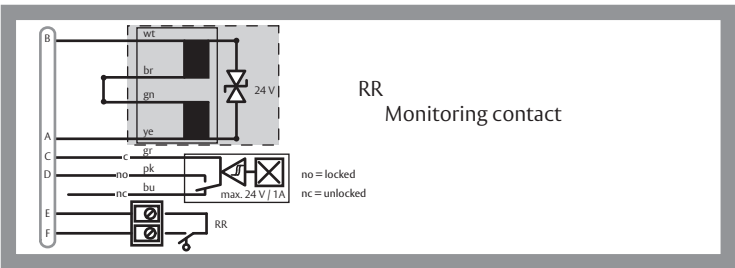
Attention!

Malfunction in case of missing configuration: A device-specific configuration is required for proper use (D00114xx, D01112xx).



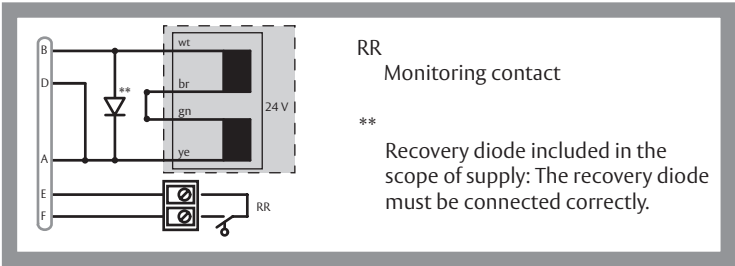
Electro Holding Magnet 827H with Hall-Sensor

Item	Value
Rated Operating Voltage	24 V
Rated current consumption	300 mA



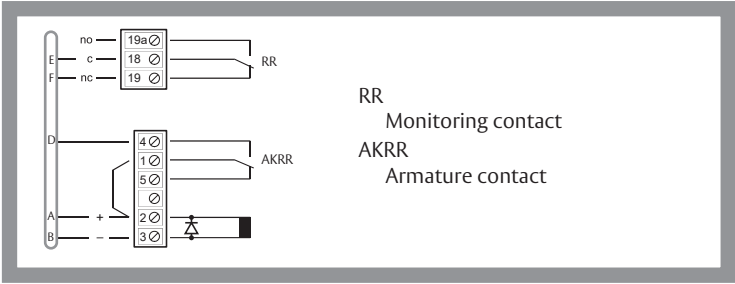
Electro Holding Magnet 827

Item	Value
Rated Operating Voltage	24 V
Rated current consumption	250 mA



Dorma TV 50x

Item	Value
Rated Operating Voltage	See Manufacturer's specifications
Rated current consumption	
Max. load capacity of the monitoring contacts	

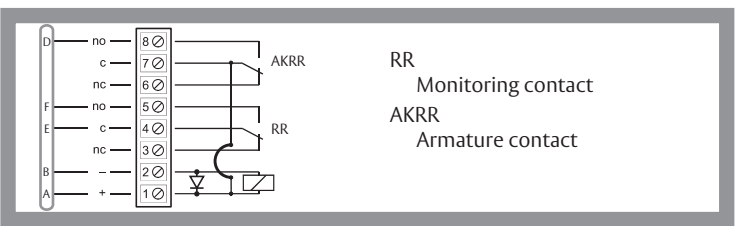


Strike for Swing Doors 351U80

Item	Value
Rated Operating Voltage	24 V ± 2 V
Rated current consumption	160 mA
Max. load capacity of the monitoring contacts	25 V / 1 A

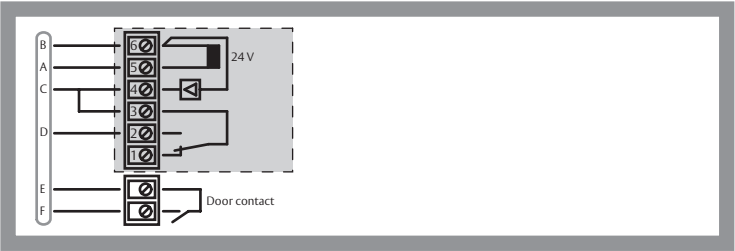
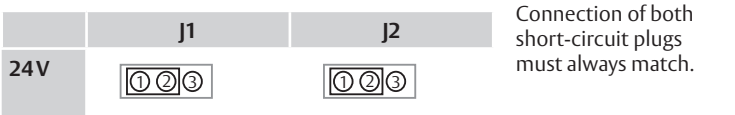
Attention!

Malfunction in case of missing configuration: A device-specific configuration is required for proper use (D00114xx, D01112xx).



Electro Holding Magnet 828

Item	Value
Rated Operating Voltage	24 V
Rated current consumption	315 mA



GEZE SecuLogic FTV 320

Item	Value
Rated Operating Voltage	See Manufacturer's specifications
Rated current consumption	
Max. load capacity of the monitoring contacts	

