ePED[®] Lock interface 1386S00



Installation and mounting instructions D0124402, 02.2022

Experience a safer and more open wo

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 1386500 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 safeguarding 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.



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: Additional information on operating the product.

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Fitting and installation

Electrical connection



Malfuncion 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).

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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 mains adapter in accordance with DIN EN 60950–1 SELV 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.



() Attention!

Property damage due to the severing of a jumper with electrical current

switched on: The *Lock interface* 1386500 must be de-energised prior to the severing of a jumper.



- 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 disconnected.

Jumper pairs J1a/J1b J2a/J2b J3a/J3b			/J3b	Central station ¹ can deactivate local Emergency open	C€-Confor- mity	maximum Release delay		
((\sum	(-	Yes	keine
(7	(1	۱	-	Yes	t ₁ 1s15s t ₂ 1s180s ¹
1	۱	($\overline{\ }$	1	۱	Yes	Yes	t ₁ 1s15s t ₂ 1s180s ¹
(7	1	۱	1	۱	-	No	t ₁ 1s120s t ₂ 1s300s ¹
1	۱	1	۱	1	۱	Yes	No	t ₁ 1s120s t ₂ 1s300s ¹

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

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LED display

Status	LED gn	LED ye	LED rd
Operation - unlocked	Х		
Operation - locked	Х		Х
Emergency unlocked / safety-related fault	Х	Flashes	
Offline - not configured	Flashes	Flashes	Flashes
Offline	Flashes		Flashes
Safety processors - not configured	Flashes		Х
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	J1a/J1b J2a/J2b J3a/J3b			
Identify the configuration	$\overline{\bigcirc} \bigcirc \bigcirc \bigcirc$			
	$\bigcap \bigcap (\)$			
	() () () ()			

Feature Characteristic in accordance with Voltage supply V_p DIN EN 60950-1 SELV 24V(±15%) Voltage drop between supply voltage and approx. 1VDC output voltage 100 mA Rated current consumption (without locking element) Maximum output current for locks 600 mA Maximum release delay after pressing of the Emergency Open button • DIN EN 13637 with local control t₁ 1s...15s with central control t, 1s...180s • without CE certification (EU export) with local control t, 1s...120s t, 1s...300s with central control **Application Site** for use in indoor areas Protection rating IP30 (when completely mounted) -10°C-+55°C Operating temperature EltVTR Test certificate in accordance with DIN EN 13837:2015

Connection diagrams

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



Escape Door Strike 332

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



Escape door strike 352M

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Intended solely for use in swing doors.

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



Security Door Closer DC700G-FT

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



Strike for Swing Doors 351U66

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

() 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	24V
Rated current consumption	300 mA



Electro Holding Magnet 827

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



RR Monitoring contact

Recovery diode included in the scope of supply: The recovery diode must be connected correctly.

Dorma TV 50x

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



Certification



HD

ePED®

 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

is a registered trademark of ASSA ABLOY Sicherheits GmbH.



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

EltVTR

MPA NR

Strike for Swing Doors 351U80

() Attention!

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



Electro Holding Magnet 828



GEZE SecuLogic FTV 320