CISA
Mito Sensor

**Electronic locks
for fire doors**

Security you can always keep an eye on.

The new **CISA Mito Sensor** lock provides **assisted access** on fire doors installed in passageways and emergency exits.
The lock's **electronic board verifies** if the handle is **enabled** or **disabled** to open from outside.

By connecting the LED to the lock, the **sensors** on the board will **signal** to the user if the door can be opened from outside or not.

The system is activated using the most common access solutions such as buttons, badges, keypads, etc.

When combined with the two-colour LED, the **status of the handle is always known**, and provides the user with immediate feedback on whether the door is open or closed.

The **MITO SENSOR** lock can be installed with CISA panic exit devices, offering a complete, efficient and personalised solution thanks to:

Non-handed design: used on both left and right hand doors; the hand can be selected by moving a small lever on the lock.

The opening time can be set by turning the selector located directly on the lock to any position between a minimum and a maximum reference.

Installation with either DC or AC power supply.

The lock is **CE certified** and tested for 200,000 cycles in accordance with reference standards.
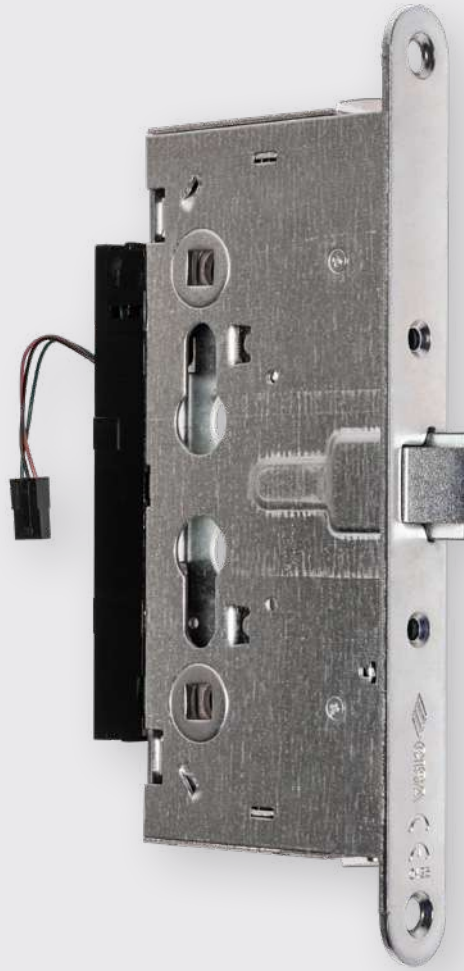
The status of the door?

With Mito Sensor it is always known, thanks to the two-colour LED that signals whether access is possible or not.

Combined with fire doors and panic exit devices, CISA Mito Sensor is the best solution for passageways and emergency exits.
And the status of the handle is always known.

Technical features

FEATURES

- Zinc-plated steel case and cover
- Zinc-plated steel 24 mm faceplate
- Zinc-plated steel latchbolt
- 9 mm square spindle
- Non-handed to match the door hand by means of a microswitch setting
- Mechanical hold open device, with handle operated by the key
- For installation on single or double-leaf doors
- 12V and 24V AC/DC power supply voltage
- Variable lock opening time from 3 to 30 s, adjustable by trimmer (factory set time: 10 seconds)
- Pre-set for connection to two-colour red/green LED
- Grade S durability for 200,000 cycles at 50 N

SUPPLIED AS STANDARD

- Cylinder fixing screws
- 1.5 m power supply cable

DOCUMENTATION AND COMPLIANCE

- Instruction sheet available using the QR Code
- Safety and Regulatory Addendum
- Declaration of Performance in compliance with the Construction Products Regulation (305/2011), available on CISA's website
- Declaration of Compliance with REACH regulations and RoHS Directive available on CISA's website
- Certificate of CE compliance in accordance with the Standard available on CISA's website
- Information on disposal available on CISA's website

ON REQUEST

- Panic exit devices (only for MITO SENSOR PANIC versions) CISA 1596XXXXX, 1597XXXXX, 15961XXXXX
- Striker (see accessories section)
- Square spindle (see accessories section)
- Two-way two-colour red/green LED (see accessories section)

Wiring diagrams

Galvanically isolated opening contact (free contact).

12-24 VDC
12-24 VAC
+

GND/12-24 VAC -

Opening CMD

Remote LED (optional)
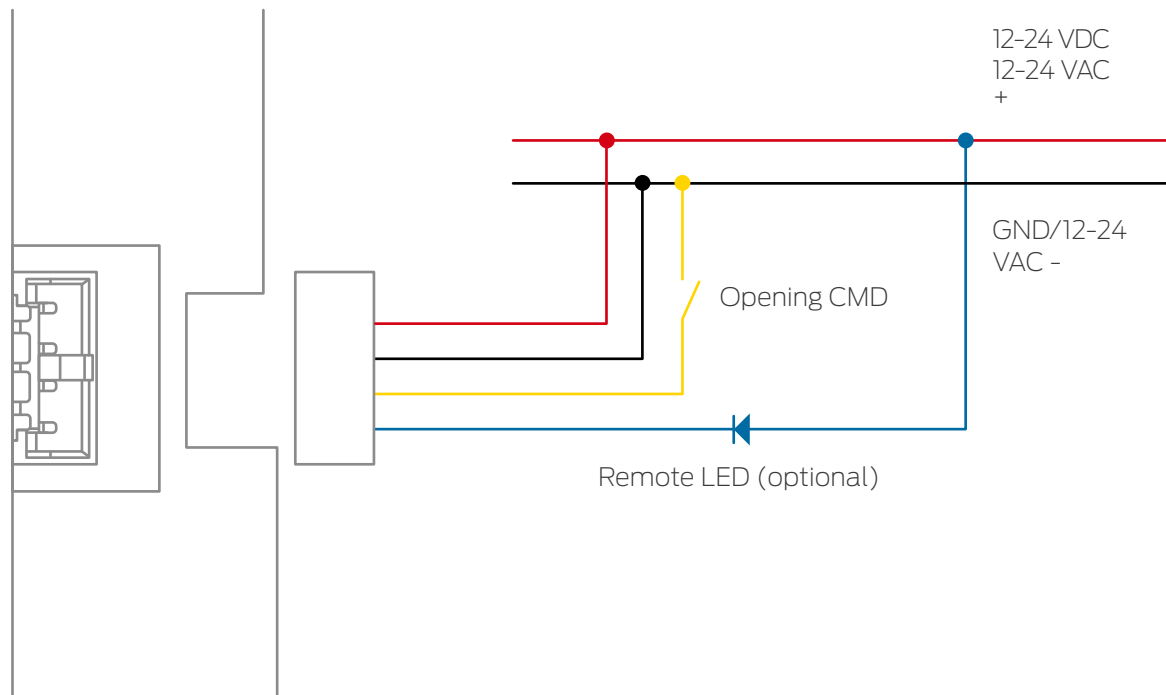
ELECTRONIC LOCK OPERATION

- In Fail Safe locks (113205650 and 113215650), when power is removed, the handle is engaged; when power is applied, the handle is "idle".
- In Fail Secure locks (113105650 and 113115650), when power is removed, the handle is "idle"; when power is applied, the handle is engaged.
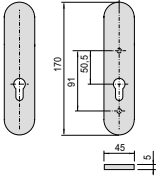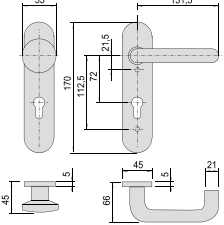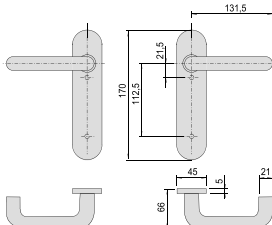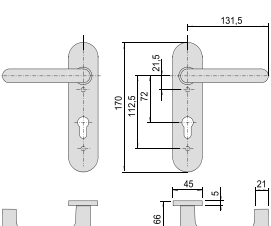- The LED signal follows the diagram shown below:

FALSE THROW NOT ENABLED	FALSE THROW ENABLED	
	ELECTRICAL IMPULSE	NO ELECTRICAL IMPULSE
GREEN LED	GREEN LED	RED LED

- After the opening signal has been given, the time the lock will remain open will vary between 3 s MIN and 30 s MAX.

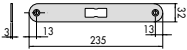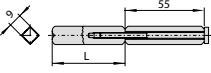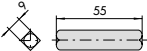## MITO SENSOR - ELECTRONIC PANIC FUNCTION LOCKS FOR FIRE DOORS

New version	Description
113115650	FSC PANIC FUNCTION
113215650	FSF PANIC FUNCTION
113105650	FSC NO PANIC FUNCTION
113205650	FSF NO PANIC FUNCTION

MITO SENSOR - Locks for fire doors

TYPE	DESCRIPTION	CENTRE DISTANCE	FACEPLATE	BACKSET	UNIT WEIGHT (kg)	PCS.	ITEM					
							TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
⚡	**ELECTRONIC "FAIL SECURE" LOCK** • Latchbolt only • Zinc-plated steel faceplate **OPERATION:** • From inside: with handle activated electronically/mechanically or with key (if fitted) • From outside: the key enables/disables the handle and withdraws the latchbolt. The coil, normally without power, will maintain the handle disabled The electric impulse activates the handle when the "false throw" is disabled	72	24	65	0.980	1	1	**13105**	**65**	**0**			
⚡	**ELECTRONIC "FAIL SAFE" LOCK** • Latchbolt only • Zinc-plated steel faceplate **OPERATION:** • From inside: with handle activated electronically/mechanically or with key (if fitted) • From outside: the key enables/disables the handle and withdraws the latchbolt. The coil, normally without power, will maintain the handle disabled The electric impulse activates the handle when the "false throw" is disabled	72	24	65	0.980	1	1	**13205**	**65**	**0**			

MITO SENSOR PANIC - Panic function locks for fire doors

TYPE	DESCRIPTION	CENTRE DISTANCE	FACEPLATE	BACKSET	UNIT WEIGHT (kg)	PCS.	ITEM					
							TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
⚡	**ELECTRONIC "FAIL SECURE" LOCK** • Latchbolt only • Zinc-plated steel faceplate **OPERATION:** • From inside: with handle/panic exit device and with key (if fitted) • From outside: the key enables/disables the handle and withdraws the latchbolt. The coil, normally without power, will maintain the handle disabled The electric impulse activates the handle when the "false throw" is disabled	72	24	65	0.980	1	1	**13115**	**65**	**0**			
⚡	**ELECTRONIC "FAIL SAFE" LOCK** • Latchbolt only • Zinc-plated steel faceplate **OPERATION:** • From inside: with handle/panic exit device and with key (if fitted) • From outside: the key enables/disables the handle and withdraws the latchbolt. The coil, normally without power, will maintain the handle disabled The electric impulse enables the handle when the "false throw" is engaged	72	24	65	0.980	1	1	**13215**	**65**	**0**			

Accessories

TYPE	DESCRIPTION	UNIT WEIGHT (kg)	PCS.	ITEM					
				TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
	• Set of plates with cylindrical hole • Only for versions without the LED/with the LED not mounted on the plate	0.200	6	1 **07070**	22	0			
	• Pair of plates with fixed handle knob and cylindrical hole • Only for versions without the LED/with the LED not mounted on the plate	0.600	6	1 **07070**	24	0			
	• Set of plates with handles • Only for versions without the LED/with the LED not mounted on the plate	0.410	6	1 **07070**	25	0			
	• Pair of plates with handles and cylinder hole • Only for versions without the LED/with the LED not mounted on the plate 43000, 43020, 43025	0.626	6	1 **07070**	26	0			

Accessories

TYPE	DESCRIPTION		kg UNIT WEIGHT	PCS.		ITEM TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
	• Zinc-plated steel striker		0.050	20	1	**07073**	20	0			
	• Steel split square spindle	L=40	0.060	6	1	**07083**	50	0			
		L=38	0.060	6	1	**07083**	51	0			
		L=45	0.060	6	1	**07083**	52	0			
		L=60	0.060	6	1	**07083**	53	0			
	• Steel square spindle		0.030	6	1	**07083**	70	0			
	AC POWER SUPPLY • CE marked, compliant with Directives 2014/30/EU, 2014/35/EU Class 2 (double insulation) • LPS source (in compliance with IEC 62368) • OVP (overvoltage) and OCP (overcurrent) SELV protection • UL94-V0 type plastics • UL Listed or at least UL Recognized product		0.350	1	1	**07302**	08	0			
	• Pair of nylon electrical contacts		0.029	6	1	**06510**	10	0			
	• Two-way two-colour LED, red LED V = 1.94 V and I = 5.43 mA, green LED V = 2.15 V, I = 5.06 mA		0.005	6	1	**07126**	10	0			
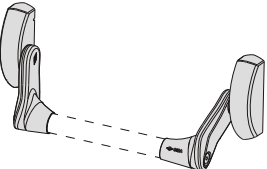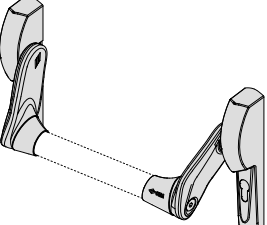
Accessories for double door

TYPE	DESCRIPTION	CENTRE DISTANCE	FACEPLATE	BACKSET	kg UNIT WEIGHT	PCS.		ITEM TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
	FOR SECONDARY LEAF OF A DOUBLE DOOR • Stainless steel faceplate fin. 20 **OPERATION:** • Extended bolts are operated with a lever on the faceplate • Rods forward strike 17 mm **ON REQUEST:** • Inside extended bolts item 1.07088.03.0 • Automatic dogging device item 1.07089.50.0	1	24		0.360	1	1	**43091**	00	0			
	FOR SECONDARY LEAF OF A DOUBLE DOOR • Mito Sensor latchbolt only lock installed on main leaf • Rod forward stroke 17 mm **OPERATION:** • From inside: with panic exit device **ON REQUEST:** • Inside extended bolts item 1.07088.03.0 • Automatic dogging device item 1.07089.50.0	1	24	65	0.858	1	1	**43190**	65	0			
		1	24	95	1.150	1	1	**43190**	95	0			
	FOR SECONDARY LEAF OF A DOUBLE DOOR • Mito Sensor latchbolt only lock installed on main leaf • Rod forward stroke 17 mm **OPERATION:** • From inside: with panic exit device **ON REQUEST:** • Inside extended bolts item 1.07088.03.0 • Automatic dogging device item 1.07089.50.0	1	24	65	0.858	1	1	**43191**	65	0			
		1	24	95	1.150	1	1	**43191**	95	0			

Panic exit devices for panic function locks, mortice version
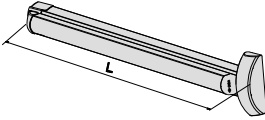
TYPE	DESCRIPTION	SPINDLE	CENTRE DISTANCE	UNIT WEIGHT (kg)	PCS.		TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
	• Black nylon casing • Can be installed with Mito panic function locks • Pre-set for single cylinder	9	72	1.400	1	1	**59616**	**00**	**0**			
	• Black nylon casing • Can be installed with Mito panic function locks • Pre-set for double cylinder	9	72	1.350	1	1	**59616**	**10**	**0**			
	• Black nylon casing • FOR SECONDARY LEAF OF A DOUBLE DOOR when a counter lock cannot be installed • Panic exit devices series 59616 can be installed on the main leaf **SUPPLIED AS STANDARD:** • Top strike item 1.07072.11.0 • Floor strike item 1.07003.11.0 **TO BE ORDERED SEPARATELY:** • Extended bolt set item 1.07081.12.0			2.050	1	1	**59647**	**00**	**0**			
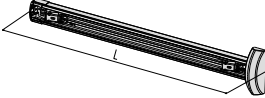
FAST Push panic exit devices, mortice version

TYPE	DESCRIPTION	SPINDLE	CENTRE DISTANCE	UNIT WEIGHT (kg)	PCS.		TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
	• Black aluminium casing • Can be installed with Mito panic function locks	8/9		1.900	1	1	**59607**	**10**	**0**			
	• PVD satin-finished stainless steel treatment • Can be installed with Mito panic function locks	8/9		1.650	1	1	**59607**	**10**	**0**	**C2**		
	• Black nylon casing • Can be installed with panic function locks	8/9	72	1.350	1	1	**59617**	**00**	**0**			
		8/9	92	1.350	1	1	**59617**	**12**	**0**			

N.B. When a rim panic exit device is to be installed on a double door, use series 59016+07063.61 FR special execution.

FAST Touch panic exit devices, rim version

TYPE	DESCRIPTION	SPINDLE	CENTRE DISTANCE	UNIT WEIGHT (kg)	PCS.	TYPE	DIM.	HAND	FINISH	PERS.	SPEC.
	• Can be installed with Mito panic function locks	8/9	1200	3.366	1	1	**59711**	**00**	**0**		
		8/9	840	2.592	1	1	**59711**	**01**	**0**		
	• PVD satin-finished stainless steel treatment	8/9	1200	3.366	1	1	**59711**	**00**	**0**	**C2**	
	VERSION WITHOUT BAR SUPPLIED • Can be installed with Mito panic function locks	8/9	1200	2.366	1	1	**59711**	**00**	**0**	**00**	**SB**
	• Bar to be installed with panic exit device item 1.59711.00/10.0.00.SB **STANDARD FINISHES:** • painted red **BAR COLOUR OPTIONS** • Satin-finished anodised aluminium (fin. 62). • Anodised bronze (fin. 64). • Brass-plated (fin. A1 S • Matt black (fin. 00). • Red (fin. 41). • White (fin. 45). • Grey (fin. 97).		1.00		1	1	**06196**	**43**	**0**		

13105, 13115

43190, 43191
E = 65 - 95

1.43091.00.0

59711

59607 - 59617

59647

59616
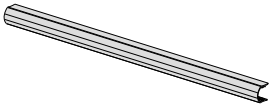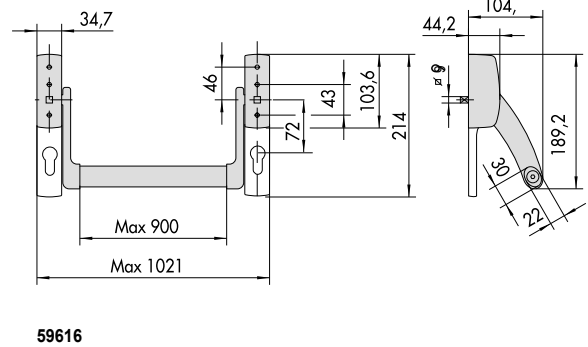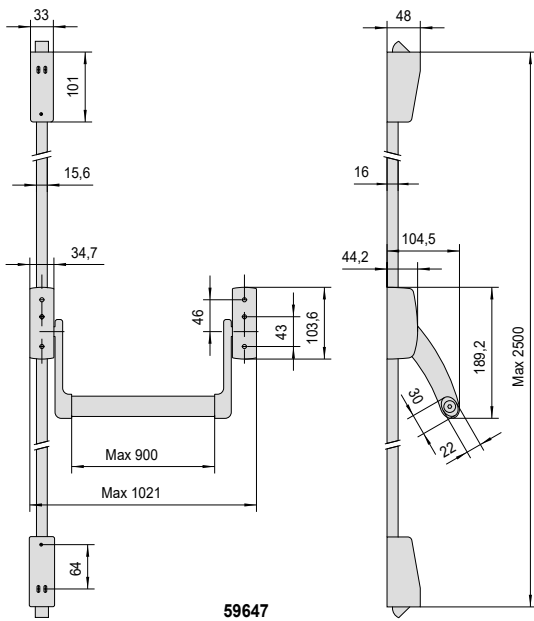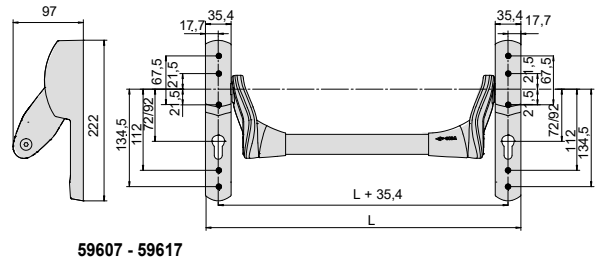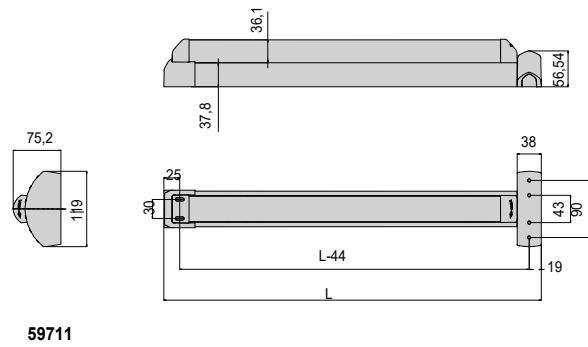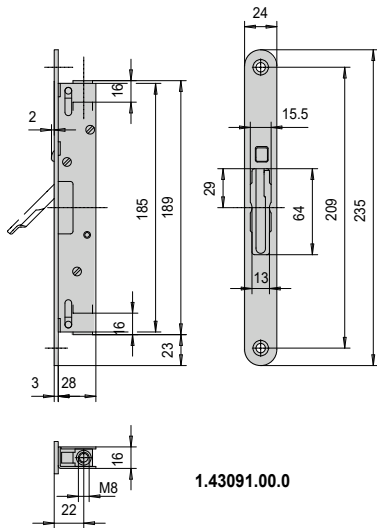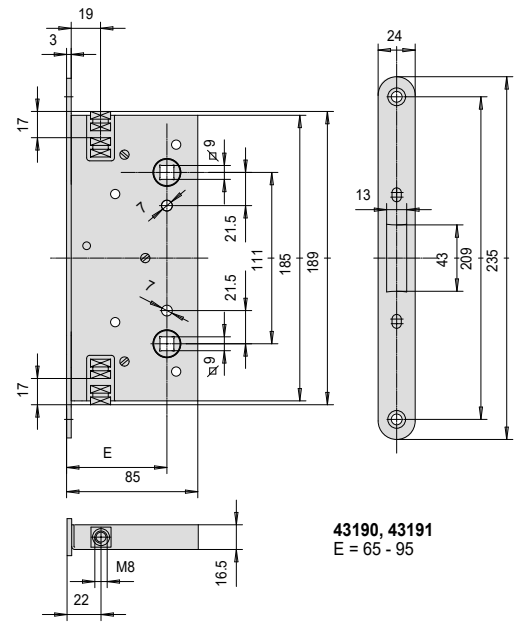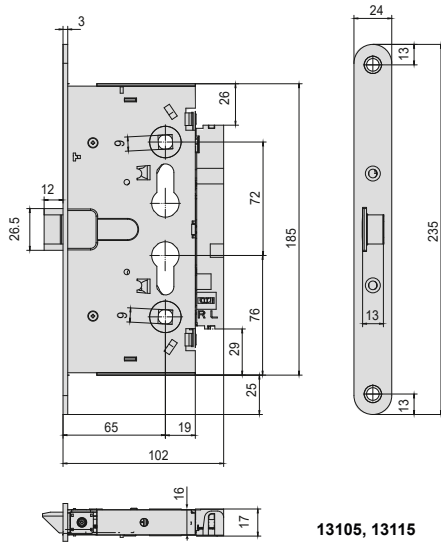
About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions.

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