

Sinorix™

TOOL-ELTEST

IG-01, IG-55, IG-100, IG-541, CO2



Electric test device for actuator ACTF230 and pressure switch

- Simulates a solenoid actuator of type ACTF230
- Simulates a pressure switch of type PSWITCH-300 5
- Provided with a foam-padded case for storage

Product code: S54476-B802-A1

Use

This product must only be used with Sinorix™ fixed automatic extinguishing systems.

Functions

The TOOL-ELTEST tool is composed of a case and three connection cables.

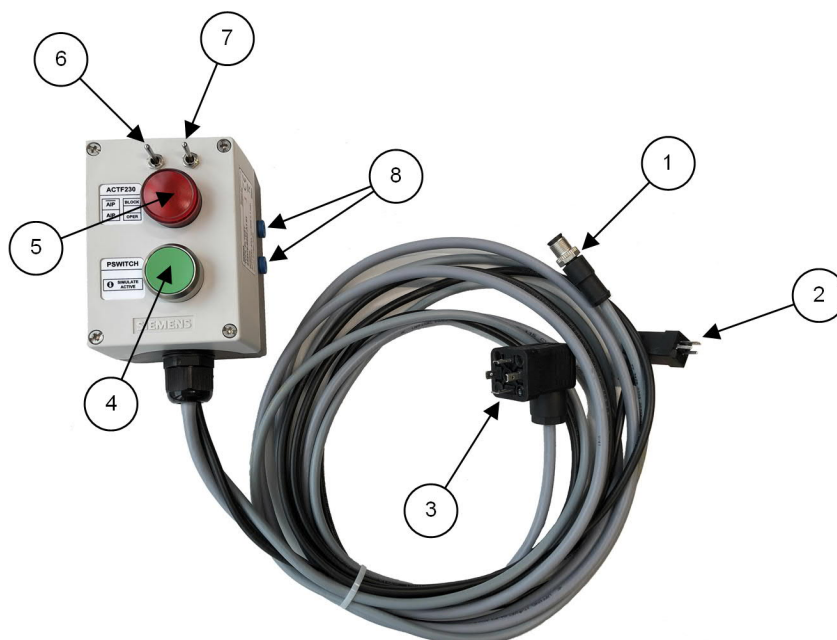
Testing a solenoid actuator

The left toggle switch is used to simulate if the solenoid actuator is mounted on the cylinder valve or not. The right toggle switch is used to simulate if the actuator is mechanically blocked. A 24 V DC electrical signal can be sent from the control panel to check that the actuator has been actuated (the red light turns on). The voltage of the signal can be measured using a multimeter connected on the test device.

Testing the pressure switch

The green push button is used to simulate the gas flow in the discharge network. A message displayed on the control panel confirms the gas flow (extinguishing system activated).

Type summary



Item	Description	Item	Description
1	Connection cable with M12-A 8-pole connector (monitoring and blocking contact)	5	Red light (indicates the actuation of the actuator when energized with 24 V DC)
2	Connection cable with DIN EN 175301-803 C male connector (simulation of actuator actuation)	6	Left toggle switch ('Actuator mounted', 'Actuator not mounted')
3	Connection cable with DIN EN 175301-803 A male connector (simulation of the pressure switch)	7	Right toggle switch ('Actuator mechanically blocked', 'Undefined status', 'Actuator mechanically unblocked')
4	Green push button ('Gas flow in discharge network')	8	Blue sockets (measurement of the 24 V DC signal from the control panel)

Equipment combinations

Reference	Description	Product code
MANO-AH	Test device to simulate the loss of extinguishant	S54476-F262-A1

Notes

Safety

This product may only be installed by Siemens-authorized specialized installers, with experience in the design, installation and maintenance of automatic extinguishing systems. During installation, it must be ensured that:

- this product is installed in compliance with the accident prevention regulations and national regulations in force,
- this product is used as intended,
- any danger is avoided,
- Siemens requirements are met (assembly instructions, technical instructions, commissioning, and operating instructions),
- the operators have received and understood the information related to this product.

At commissioning, ensure compliance with the legislation in force, technical regulations and safety instructions.

Failure to comply with Siemens' instructions may result in serious bodily injury or significant property damage, for which Siemens cannot be held liable.

Siemens reserves the right to make technical modifications and/or improvements at any time.

Operation

Testing a solenoid actuator

1. Remove the elbow connector and M12 8-pole connector from the solenoid actuator.
2. Depending on the test, plug the relevant connector to the test device.
3. Perform the requested test.
4. After completing the test, plug the elbow connector and the M12 8-pole connector back on the actuator.



⚠ WARNING

Risk of box overheating

To prevent the tool from overheating, the maximum on-time for simulating the actuation of the actuator should be less than one minute.

Testing the pressure switch

1. Remove the elbow connector from the pressure switch.
2. Plug the connector to the test device.
3. Perform the requested test.
4. After completing the test, plug the elbow connector back onto the pressure switch.



For more details, refer to the mounting and installation documentation.

Inspection

- Check that the product is in a good condition.



The frequency of the product inspection is subject to applicable local regulations. For more information, refer to the maintenance documentation.

Storage

- Store in its original packaging, protected from shocks.

Technical data

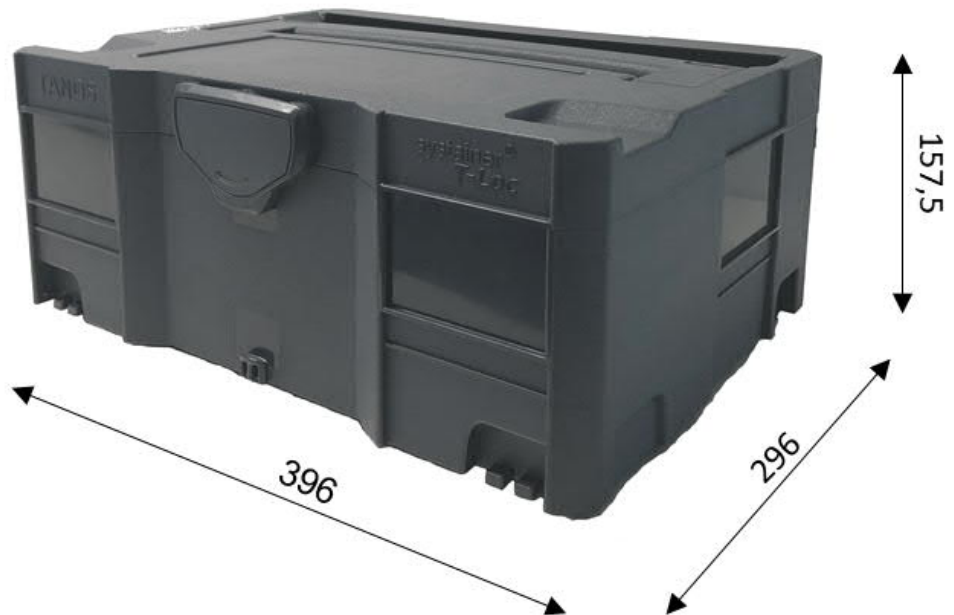
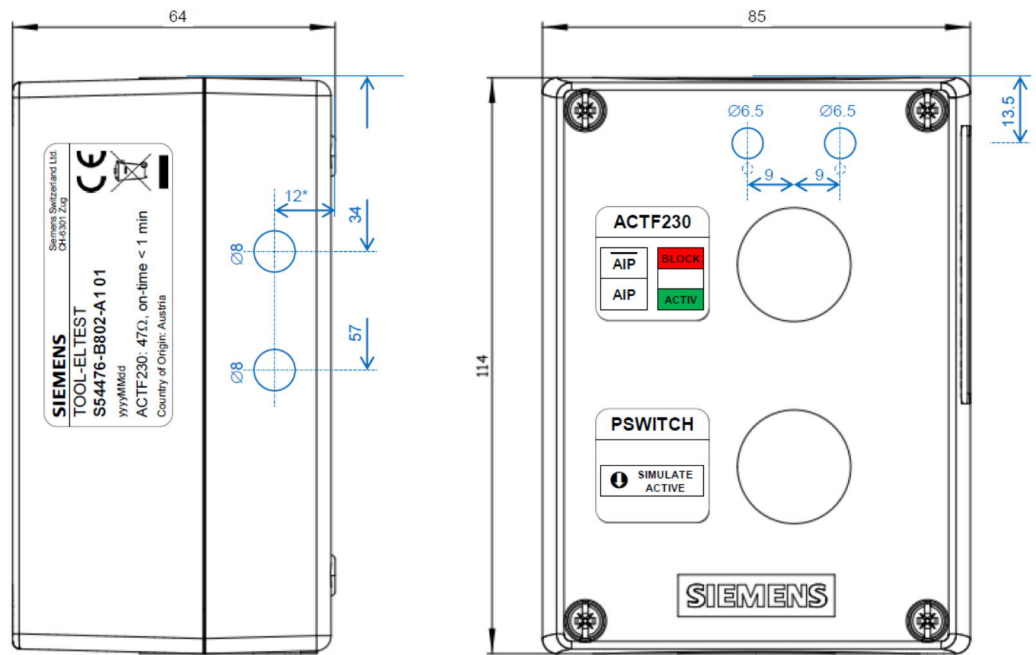
Technical data	
Material	Box, storage case: Plastic
Connection cable	Test: Actuation of the solenoid actuator Connector: DIN EN 175301-803 C male connector (8 mm) Length: 2.0 m ±0.2 m Pin configuration: 2P+E Actuator load (at 24 VDC): 0.53 A, max. on-time 1 min. Color: Black
Connection cable	Test: Monitoring, blocking Connector: M12-A 8-pole female connector Length: 2.0 m ±0.2 m Pin configuration: 8 x 0.25 mm ² (DIN 47100 color code) Color: Gray
Connection cable	Test: Pressure switch Connector: DIN EN 175301-803 A male connector (8 mm) Length: 2.0 m ±0.2 m Pin configuration: 3P+E Max. voltage: 50 V AC/DC Max. current: 4 A Color: Gray
Weight	Test tool (including cables): 0.92 kg Storage case: 1.64 kg
Operating temperature	-20 °C to +50 °C, non-condensing
Transport and storage temperature	-20 °C to +65 °C, non-condensing

Certifications and compliances

RoHS	Compliant
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Dimensions

Dimensions in mm



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