Type Approval and decision on production control

SC0839-09

Power operated pedestrian swing door drive ASSA ABLOY SW100

Holder/Issued to

ASSA ABLOY Entrance Systems AB

Lodjursgatan 10 , SE-261 44 Landskrona, Sweden

Product description

SW100, power operated pedestrian swing door drive which is operated by contact or impulse sensor. SW100 can be mounted on the wall on either side of the door for pull or push action and is suitable for hinged single or double doors. To replace a lock with latch bolt a pushing function is required. Battery backup unit is not permitted in fire door installations.

SW100 has four arm systems for push and pull application: Push-250, Push-335, Pull-220 and Pull-400. Maximum moment of inertia for the door is 45 kg m^2 for push and 16 kg m^2 for pull.

Intended use

The power operated pedestrian swing door drive may only be used for swing doors that have been tested and type approved with or without a lock with latch bolt, in the highest fire resistance classes E 30, A 30 or EI 30. The power operated pedestrian swing door drive is supposed to close the door in the event of a fire, fire alarm or power failure and hold the door in the closed position. It is assumed that type approval for the door is supplemented with the power operated pedestrian swing door drive according to the terms of this type approval.

Trade name

SW100

Approval

The products satisfy the requirements set forth in chapter 8, 4 § 2 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR) issued by the National Board of Housing, Building and Planning.

Fire resistance class E 30, A 30, EI 30 [1)]	5:231

1) Applies only in combination with swing doors that have been tested and type-approved with/without a lock with a latch bolt in the intended fire resistance class. Maximum door size according to tested size. Opening force (holding force) at least 67 N measured at the front edge of the door leaf for doors without a lock. When evacuating, opening forces according to BBR 5:335 apply. In normal use, the opening force at the front edge of the door leaf must not exceed 90 N in the event of a mains power failure or failure of the drive according to SS-EN 16005.

Associated documents

User Manual Swing Door Operator ASSA ABLOY SW100, 1005099- en-13.0, Issue 2021-04-19

RISE Research Institutes of Sweden AB | Certification

Box 857, 501 15 Borås

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

Control

The factory production control (FPC) is monitored by an independent inspection body.
Control plan: Ref no. SC0839-09, SC0072-14 dated 2024-10-15, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

To keep the fire door in the closed position, the force to push the door open must be at least 67 N measured at an opening angle of 0° at the front edge of the door leaf, for doors without a lock. Measurement of opening forces must be carried out in accordance with SS-EN 17372 at intervals according to the routine for the current occupancy. Information about this control must be found in the instructions for the supervision of escape routes which must be included in the fire protection documentation.

Manufacturing place

Production control includes the following place:
Factory No. 6

Marking

The products are to be marked at the factory. The marking consists of a label on every product supplied and includes:

Holder	ASSA ABLOY Entrance Systems AB, Landskrona
Factory code	Factory No. 6
Product type designation	SW100
Consecutive manufacture no./date of production	no./date
Type approval number	SC0839-09
Boverket´s registered trade mark	⍑
RISE Accreditation number	1002
Inspection body	RISE

Basis for approval

Report no. 3P04167-3 from SP together with report no. 174770, issue 2, from Bodycote Warringtonfire.

Drawings according to "List of drawings SW100" dated 2024-11-04.

Comments

In order to avoid the door being accidentally opened in the event of a fire, it is assumed that the following conditions are met:

- That only the elbow contact or push button is used as an impulse device for the door's opening function and that a malfunction does not lead to the door being set up.
- If optical impulse sensors are used, it is assumed that these are disabled by an impulse from a central fire alarm system or separate smoke detectors. Smoke detectors must be arranged in such a way that they break the impulse line from the automatic impulse sensor to the door automation, both if they are activated or become de-energized.
- Kill function/emergency function in the power operated pedestrian swing door drive must be activated immediately and not affected by impulse sensors when tenable temperature condition levels are reached according to the Boverket general recommendations (BFS 2011:27) on analytical design of a building's fire protection.

Door with power operated pedestrian swing door drive may only be put into operation when CE marking has been carried out in accordance with the machinery directive/regulation.

If accessible and usable evacuation for people with limited mobility or orientation is required by regulation, any safety sensors need to be disabled by central fire alarm system or separate smoke detectors.

Associated documents shall accompany the product or by other means be available to users of the product.

This type approval supersedes the previous type approval with the same number dated 2019-02-04.

Validity

Valid through 2029-11-13.

The validity of this type approval can be verified at RISE homepage.
The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.