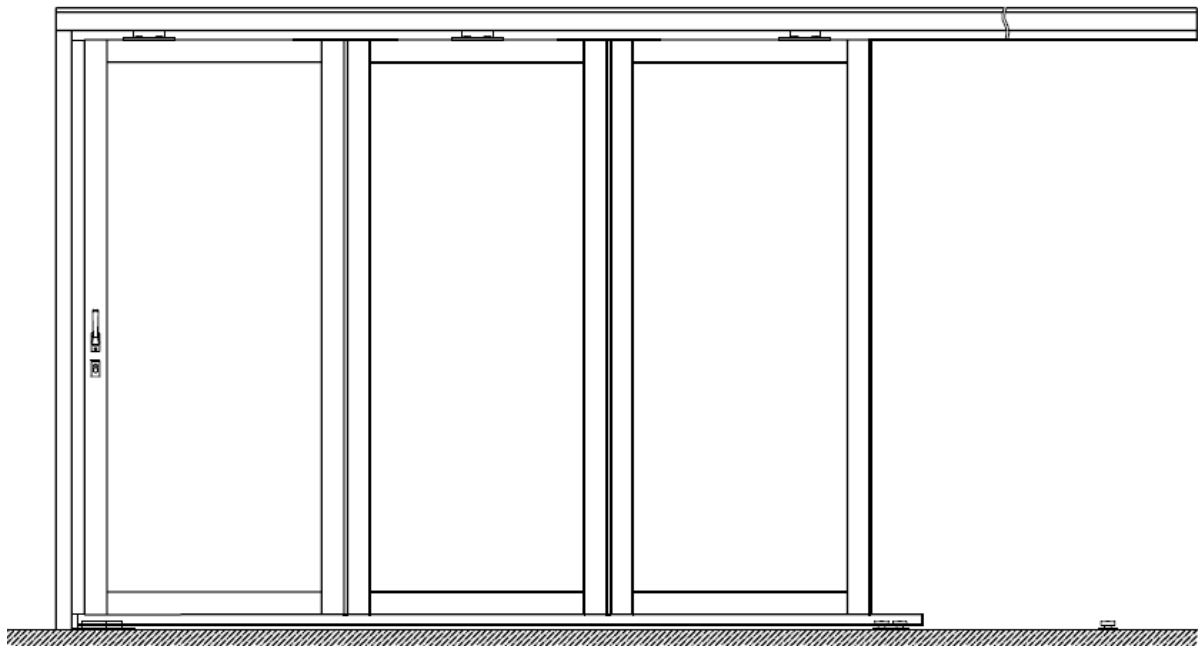


Sliding door AL602S, AL603S, ST602S



Translation of the original **Operating Manual**



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2 Introduction

Dear reader,

the present Operating Manual provides you with information on the

Safety

Operation

Use and

Maintenance of this door system.

Our Manuals are updated regularly. Your improvement suggestions help us create a user-friendly document. If you have any suggestions, please contact us.

Storing this Manual

This Manual contains important information on the safe, proper and economical use of the door system. Always store the document within reach. It is to be provided for maintenance and testing purposes.

Legal notice

Manufacturer: Schneider Torsysteme Gesellschaft m. b. H.

Address: Kalzitstraße 1, A-4611 Buchkirchen

Document no.: S-BA-BR600-S-EN

Document type: Operator documentation


2.1 Directives and Standards

The following directives and standards were used to in the design and production of the door system:

2006/42/EG	Machinery Directive
305/2011/EU	Construction Products Directive
EN 13241:2003+A2:2016	Doors – Product standard, performance characteristics

This door system was produced and tested in accordance with the listed standards and directives and has left the factory in perfect and safe condition.






2.2 Labelling

 The door system meets the applicable standards and directives. Its conformity was proven; the respective documents are available from the manufacturer.

Note You will find the Declaration of Conformity in the Appendix to this Manual.

2.3 Explanation of Safety Signs


The following symbols are used in this Manual to inform the user about possible dangers:

 DANGER	This symbol means that there is an imminent danger to the life and limb of persons. Ignoring this information results in dangers to the life and limb of the user, serious damage to the health or life-threatening injuries for the user.
 WARNING	This symbol means danger of injury for the user of the door.
 IMPORTANT	This symbol provides important information for the proper use of the door. Ignoring this information can result in door malfunction.
Note	This symbol provides usage tips and particularly helpful information. They will help you to optimally use all the door's functions.
	This symbol indicates the exclusion of manufacturer liability that could result from errors failure to comply by operator or user.
	This symbol points to the proper reuse of the packaging material and disused assemblies (separated by metals, plastics etc.).

The safety instructions in this Manual are to be observed and complied with.

3 Basic Information

3.1 Warranty and Liability

 Warranty claims are subject to proper operation and handling. The manufacturer guarantees that all parts are free of defects in terms of material and workmanship at the time of delivery.

Generally, the “General Terms of Sale and Deliver / Terms and Conditions” of the door supplier apply. These are available to the operator at the moment of contract conclusion, at the latest. Warranty and liability claims are excluded in case of injury to persons or damage to property if they resulted from one of the following:

- Improper installation
- Improper commissioning
- Improper use of the doors

Exclusion of Liability

Operation of the door with defective safety devices or incorrectly installed or non-functional safety and protective devices

- Failure to observe the instructions in the Operating Manual regarding operation and maintenance of the door
- Unauthorised structural modifications to the door, unauthorised modification of the drive system or the control system
- Inadequate monitoring of machine parts subject to wear
- Improper repairs
- Catastrophic failure resulting from foreign objects or force majeure
- Results of changes in use are at the expense of the operator

The manufacturer assumes no liability for damage caused by operating errors or non-compliance with the Operating Manual or lack of maintenance or care.

3.2 Operator's obligation

3.2.1 Observance of the Notes in the Operating Manual

The basic prerequisite for safe handling and trouble-free operation of this door is knowledge of the basic safety instructions and safety regulations. This Operating Manual, especially the safety instructions, must be observed by all persons working on the system. Furthermore, the rules and regulations applicable to the place of use must be observed to prevent accidents.

Exclusion of Liability

The manufacturer assumes no liability for damage resulting from non-observance of the safety information and instructions.

3.2.2 Obligation to instruct

The operator must ensure that the specialist personnel tasked with ongoing maintenance and care of the door system is instructed on the use and all safety-related aspects of the door.

A report on the instruction is to be created and stored by the instructors.



Exclusion of Liability

The manufacturer assumes no liability for damage resulting from the operator's failure to instruct his users. The operator is furthermore obliged to make this Operating Manual available to the specialist personnel using the door.

3.3 Permissible Users

3.3.1 Experts

Experts are defined as persons who, due to their professional training and experience, have knowledge of the system to be tested in the field of power-operated windows, doors and gates, who are familiar with the relevant occupational health and safety regulations, guidelines and generally recognised rules of technology (e.g. VDE regulations, DIN and EN sheets) so that they can assess the safe working condition of the respective system.

Experts must be required to provide an objective assessment from the point of view of occupational safety, uninfluenced by operational or economic circumstances.

3.3.2 Instructed Operating Personnel (non-public)

A group of persons is instructed on the use of the door and the door is not located in a public area.

3.3.3 Instructed Operating Personnel (public)

A group of persons is instructed on the use of the door and the door is located in a public area.

3.3.4 Non-Instructed Operating Personnel

Non-instructed personnel are persons who are not specialists. The operator must ensure that laypeople are instructed on the use of the door system if this is required. They must not perform any tasks related to the installation, commissioning, maintenance and removal of this door system.

3.4 Intended Use

The door system is used in the access area of persons and mainly for use as a safe access for goods and vehicles, accompanied by persons, in industrial, commercial or private facilities.

Please consult the manufacturer for use in environments with aggressive influences (e.g. sewage works, washing halls, etc.).

When used in environments with aggressive dusts (e.g. cement works, grinding shops, foundries, etc.) it must be ensured that dust is not allowed to deposit on the door leaves as this could lead to increased wear.



If the system is constantly exposed to moisture (includes water spray, e.g. in washing halls etc.) additional measures must be taken to ensure safe use and prevent premature ageing.

Intended use includes the observance of all information in the Operating Manual and observing all maintenance and service works.

3.5 Improper Use

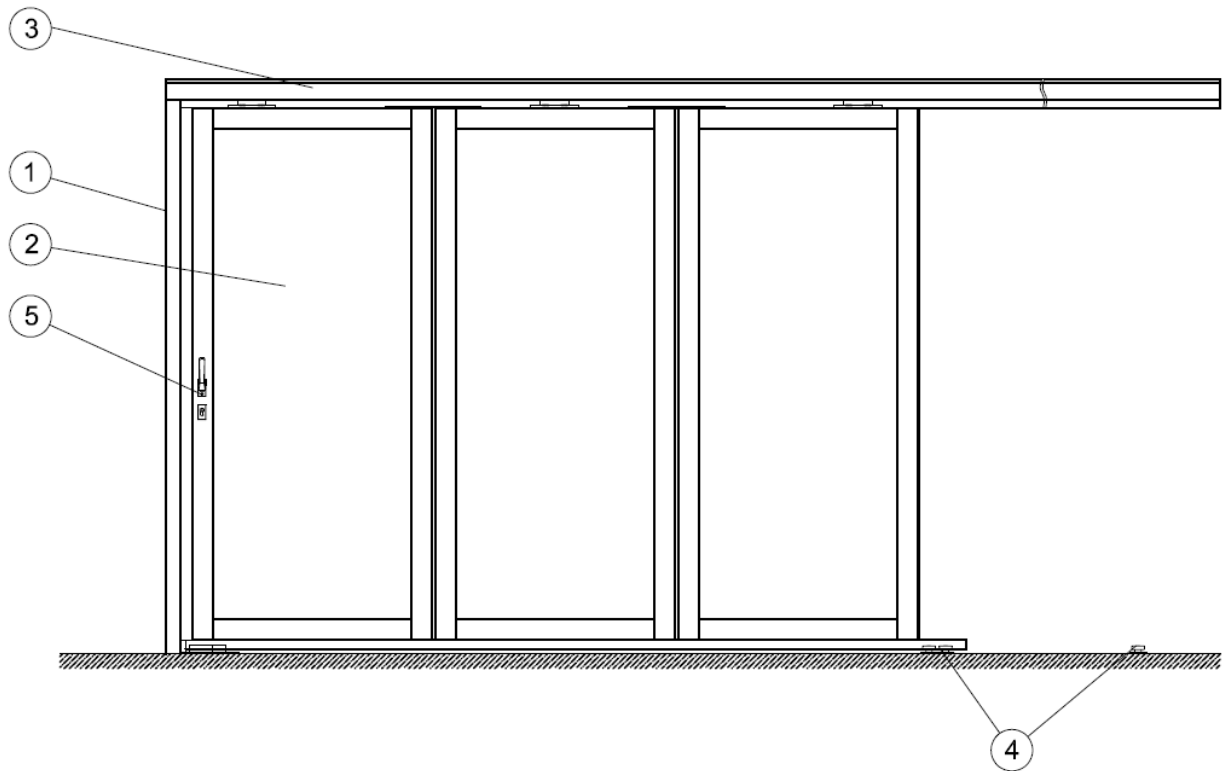
Improper / unintended use of the door can result in dangers to the life and limb of the user, injuries to the user and damage to the door / other property.



Exclusion of Liability

The manufacturer assumes no liability for damage resulting from improper use.

4 Product Description: Mechanical Design and Function



- 01 Lateral frame
- 02 Door leaves
- 03 Running rail
- 04 Local floor guide
- 05 Lock

4.1 Product Description AL602S, AL603S

4.1.1 Lateral frame

The lateral frame profile, an extruded aluminium profile (60x75 mm; 3.3 kg/m) is connected with the guide profile by means of screws. The fastening bracket is screwed and moves in a groove to be adjusted to the local conditions.

4.1.2 Door leaves

The sliding door is based on a frame-rung design. The door leaves are made of screwed extruded hard aluminium profiles. The min. construction depth is 60 mm, the min. profile width 87 mm. The infills are made of double-walled building elements (panel or glass).

On the AL603S sliding door, we use thermally separated profiles that achieve a significantly higher thermal insulation performance.

4.1.3 Running rail

The running rail is made of an extruded aluminium profile with built-in seal carrier and continuous sealing lip which is only open to the bottom. The wall thickness is 5 mm. The door leaves are suspended via horizontally and vertically guided door slide mechanisms. The roller diameter is 59 mm and the rollers have a plastic jacket. Two rollers each are used for the horizontal and vertical guides. The rollers are equipped with dust-proof, maintenance-free ball bearings.

4.2 Product description ST602S

4.2.1 Lateral frame

The lateral steel frame profile (60x75 mm; 5.5 kg/m) is hot-dip galvanised and powder-coated in the colour of the door. The lateral frame profile is connected to the running rail profile by means of screws. The fastening bracket is laterally screwed and runs in a groove to adjust it to the local conditions. The fastening bracket comes pre-installed on the running rail.

4.2.2 Door leaves

The sliding door is based on a frame design. The door leaves are made of hot-dip galvanised steel profiles. The min. construction depth is 60 mm, the min. profile width 95 mm. The infills are made of double-walled building elements (panels or glass).

4.2.3 Running rail

The running rail made of a hot-dip galvanised steel profile (85x125 mm, 6.3 kg/m) is only open to the bottom. The wall thickness is 3.6 mm. The running rail is equipped with a screwed seal carrier which partially covers the steel running rail (aluminium case profile) and a continuous sealing lip. The door leaves are suspended with horizontally and vertically guided door slide mechanisms. The roller diameter is 59 mm and the rollers have a plastic jacket. Two rollers each are used for the horizontal and vertical guides. The rollers are equipped with dust-proof and maintenance-free ball bearings.

4.3 Operation

The door is opened via an espagnolette bolt or hook lock and then pushed in the direction of opening.

5 Safety Instructions and Safety rules

5.1 General Information

Attention! The system may only be operated by authorised personnel familiar with the functional principle of the sliding door.

Attention! The operating personnel must be instructed on the system's functional principle. This training must be repeated at regular intervals to avoid improper use. This required training, the familiarisation of the operating personnel and recurring courses are the responsibility of the system operator.

Attention! If the gate is used or operated by persons in any kind of employment, the provisions of the "General Employee Protection Ordinance" (AAV, BGL.218) in the currently valid version must be observed.

Attention! The door must not be operated by children.

Attention! Before the door is activated: In the case of door controls without self-retaining mechanism or during movement, make sure that, taking into account the type of movement of the doors, danger, injury to persons or damage to property is avoided.

Attention! The door must always be locked in open and closed state. The door must not be left in an intermediate position. Opening and closing the door leaves is only permitted using the intended devices.



Attention! In case of misuse or damage, as well as the occurrence of a dangerous operating condition, the door must be taken out of operation, secured accordingly and secured against unauthorised re-commissioning.

5.2 Sliding Door Danger Areas

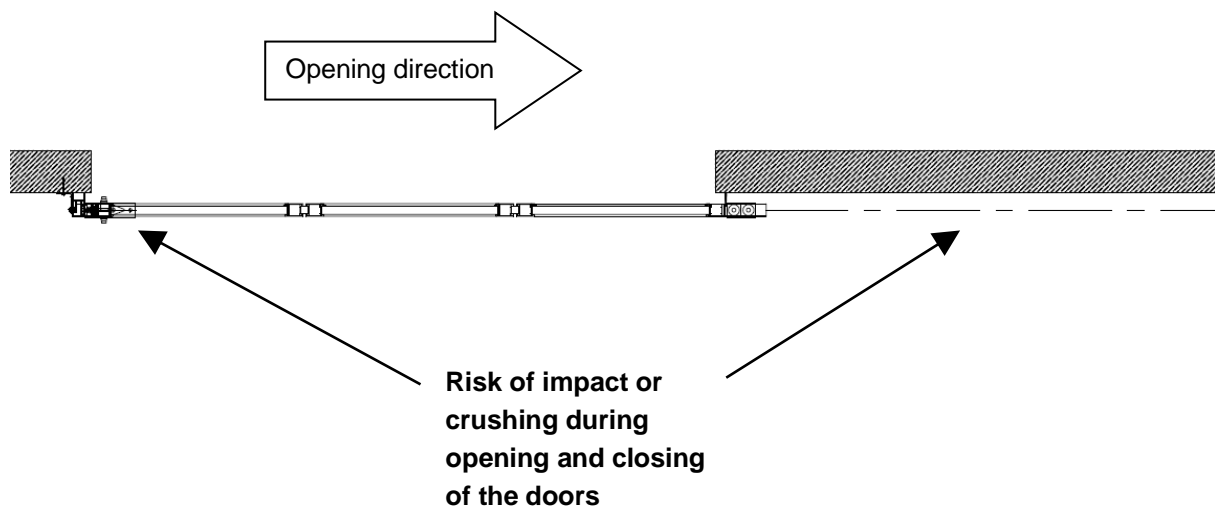


This door system has been constructed in accordance with the current state of technology and all recognised safety rules. Nevertheless, the use of the door may cause danger to the life and limb of the user or third parties or damage to the door or other material assets if the door:



- Is used for purposes other than the intended ones
- Is used if not in a perfectly safe state
- Is used in high wind conditions

5.2.1 Risk of Impact or Crushing



These areas are either secured by the means of activation or safety devices. These safety devices must not be rendered ineffective.



5.2.2 Risk of Stumbling

Risk of stumbling and falling over possible ground sills more than 5mm in high.



5.2.3 Particular Risks to Vulnerable Persons

The risk of injury increases if vulnerable persons (e.g. fragile or elderly persons, children) come into contact with the moving door. Additional safety measures may be required on door systems that are used by vulnerable persons. If in doubt, contact the manufacturer.

6 Cleaning Instructions

6.1 Safety Rules for Cleaning and Care



Only use approved cleaning products and means (e.g. ladders).

Note

6.2 Care Instructions for Doors

To ensure proper maintenance of the coated or anodised door (gate), it must be carried out at least once a year - or more often in the case of heavy environmental pollution - according to the following guidelines:

Use clean water with low amounts of additives or neutral or mildly alkaline cleaning agents. A mechanical cleaning component may be added by using soft, non-scratching towels or cloths.

The door must be cold (max. 25° C) during cleaning.



Refrain from using acidic or strongly alkaline cleaning or wetting agents which could attack aluminium. Do not use scratching, abrasive agents (abrasive cleaning). Only use soft cloths or industrial cotton for cleaning. Coarse rubbing must be avoided. Do not use organic Solvents containing Esther, ketone, alcohols, glycol ethers or halogenated carbons etc. Do not use cleaning agents of unknown composition.

Remove greasy, oily or sooty substances using an aromatics-free petrol hydrocarbons. You can also use such agents to remove glue, silicone or adhesive tape. It is important to immediately remove residue of these agents, however.

The maximum exposure time to these agents must not exceed one hour; the cleaning process can, if required, be repeated after 24 hours. Rinse with clean, cold water immediately after every cleaning process.

Note

6.3 Care Instructions for Door Glazing

First, rinse with running water. Ideally, you should them use a soft car washing brush that is permanently supplied with clean water via a hose connection. To dry the glass, please use soft, moist chamois leather.

The only permissible cleaning additives are mild dish washing agents.

Never use

Rubber squeegees and hard cleaning utensils such as scrapers, razorblades and spatulas, scrubbing agents, solvents or glass cleaner and pressure washers.

7 Maintenance and Inspection Work

Maintenance intervals are not necessarily a fixed time factor. Essentially, maintenance requirements depend on operating site and the rate of use of the door system. As a minimum requirement, it is necessary to carry out comprehensive maintenance of the system every 2000 movements or once a year.



Only regular maintenance, inspection and care guarantee the door's long service life.

If maintenance/inspection requirements are neglected or performed by a person who is not an expert, the manufacturer cannot be held liable for resulting damages. The number or annual maintenance jobs depends on how often the door is used and the site of operation. We therefore recommended to conclude a maintenance contract.

We also recommend to task the supplier with the maintenance and inspection of your door system. They offer the best guarantee that their trained specialists will carry out proper testing based on their precise knowledge of the design and the regulations to be met.

Furthermore, maintenance also includes that the operator visually inspects the safety area, running gears, hinges, espagnolette bolts etc. (depending on rate of use).

7.1 Safety Rules for Maintenance Work

Only use approved and suitable tools, special tools and other equipment (e.g.ladders).

The term 'lubricate' is used in the following as a general term: In the individual case, one must distinguish between oils and grease. Only use approved and suitable lubrication agents.

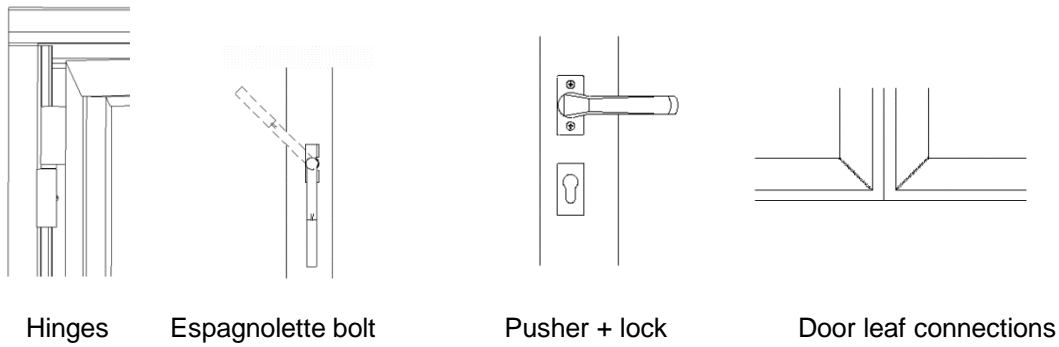
7.2 Inspection the Door System

We recommend using the following inspection log book for the inspection of your door system: ON-ZP B 1205 Bbl.I (2014-10-01)

Inspect:

- The proper function of the door (regularly)
- The following parts must be inspected for damage, wear, corrosion and secure seat

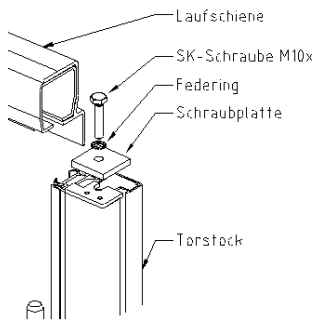
7.2.1 Door leaf and hinge connections



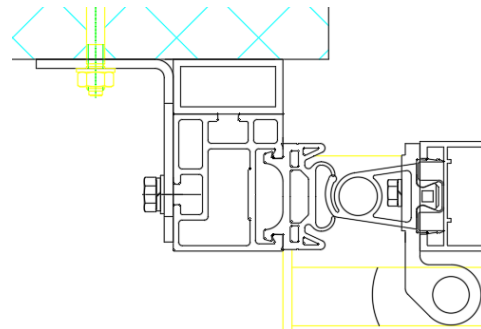
These parts must be inspected for signs of wear, damage, deformation and secure seat.

- In case of visible damage, initiate the replacement of the parts in question
- Take door out of service

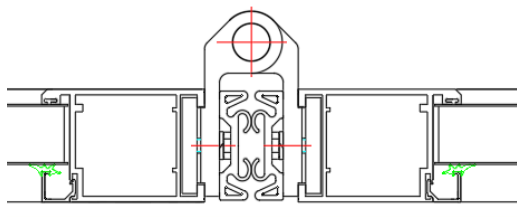
7.2.2 Door Frame, Running Rail and Seals



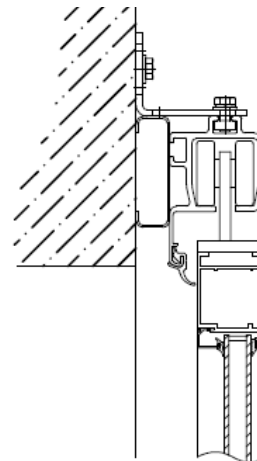
Running rail bolted connection



Mounting to walls and door frame seal



Leaf seal

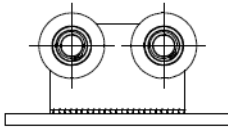


Running rail

These parts must be inspected for signs of damage, deformation and secure seat.

- In case of visible damage, initiate the replacement of the parts in question
- Take door out of service

7.2.3 'Running gears



These parts must be inspected for signs of damage, deformation and secure seat.

- In case of visible damage, initiate the replacement of the parts in question
- Take door out of service

7.3 Test and Maintenance Report

Test and maintenance report no. _____ Date: _____

Sliding door, manually and power-operated acc. to EN 12604, EN 12453, EN 60335-1

Client

Delivery address

Contact person

Telephone number

--	--

Door system identification

Order no.	Position	Door type	Year of manufacture	Manual

The safety requirements for manually operated sliding gates are specified in the above mentioned regulations. An inspection of the door system must be carried out by an expert every 2000 movements, but at least once a year. The above mentioned standards and occupational safety and accident prevention regulations as well as the generally recognised rules of technology must be observed. We also refer to the Installation, Maintenance and Operating Manuals as well as the specific safety instructions therein.

The present list of components to be inspected and circumstances must be extended by other relevant points under 'Others' if required. Special versions also require corresponding extensions.

The term 'lubricate' is used in the following as a general term: In the individual case, one must distinguish between oils and grease. Only use approved and suitable lubrication agents.

	Not available	OK	Not OK
1. General/condition function			
1.1 General condition (e.g. corrosion, wear, damage, manoeuvrability of moving parts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Safety area (e.g. no storage of goods/objects in the immediate door area)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Remove objects from the immediate door area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Door leaf, vertical position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Bolts, wedges, etc. → Condition and firm seating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Lubricate belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7 Personnel door (e.g. function of lock, door closer)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8 Type plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.9 Other (describe component/circumstance in detail)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Running gear and belt components			
2.1 Track rollers, bearings, running gear objects → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Floor guides → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Belts, thrust bearings → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Stop buffer → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Other (describe component/circumstance in detail)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Seals			
3.1 Door frame seals between leaf and door frame → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Floor rubber → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3 Running rail seal → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Not available	OK	Not OK
3.4 Window/frame elements → Sealing condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5 Other <i>(describe component/circumstance in detail)</i>			
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Door leaf/fittings			
4.1 General condition <i>(e.g. damage to the leaves)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2 Drive Bar → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3 Pushers, cylinders, lock → Condition and attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4 Other <i>(describe component/circumstance in detail)</i>			
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Door frame			
5.1 Attachment of side door frame → Firm seating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2 Attachment of running rail → Firm seating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3 Door structure/mounting frame: ensure firm attachment of mounting frame to building and of door structure to mounting frame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4 Other <i>(describe component/circumstance in detail)</i>			
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Manual operation			
6.1 Function of drive bar and pusher at the traffic leaf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2 Other <i>(describe component/circumstance in detail)</i>			
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. Replacement in the event of damage



It is especially important to note, at this point, that the following components may not be repaired in the event of damage or impaired function. The components must be replaced and the door must be taken out of operation.

These components are: belts, running gear, running gear attachments, running rail

8. Operating the door system

8.1 Door system can be operated (observe maintenance intervals)

8.2 Door system can continue to be operated under caution to max.

 in current condition (*repair completed*)

8.3 Door system may not be operated before repair

9. Description of defects

Clearly list all items found to be 'not OK' with the corresponding number, describe the defect and justify. Continue on a separate sheet, if necessary.

	Checked by	System operator
Place	_____	_____
Date	_____	_____
Name	_____	_____
Signature	_____	_____

Actioned stamp:

Defects rectified, door system ready for operation

Place _____

Date _____

Name _____

Signature _____

8 Faults and Repairs

The aim of this chapter is to guide the responsible technical personnel in troubleshooting and restoring the target state.

Troubleshooting notes should first of all draw the attention of the system operator to a non-orderly condition of the system.

The responsible operator of the system must ensure that the target state of the system is restored as quickly as possible. The operator must initiate:

- The reason of the fault to be identified and assessed
- The rectification of faults by competent personnel

8.1 Explanation of Terms

8.1.1 Fault

Faults are non-orderly states of the system and are to be rectified as soon as possible. The operator is responsible for the rectification of faults.

8.1.2 Maintenance/repairs

Maintenance/repairs are the restoration of the target state of a system. The operator must ensure that any faults are rectified or repaired.

8.2 Faults and their Rectification

The following faults can be rectified by trained operating personnel:

- Removal of contamination from the floor
- Removing obstacles between the closing edges

All other faults must be repaired by authorised service personnel only. In such cases, contact the manufacturer - see the customer service address on the last page for this purpose.

9 Remocal and Disposal



If you wish to remove the door, please contact the manufacturer - see the customer service address on the last page for this purpose.

Note The illustrations in this document may differ from the model supplied, depending on the type and version.

Note The Operating Manual refers to the standard version of a sliding door. In the case of individual requirements, there may be slight deviations in design and operation.

Customer service address

SCHNEIDER Torsysteme Gesellschaft m. b. H.

A-4611 Buchkirchen Kalzitstraße 1

Tel.: +43/7243/54588-0

E-Mail: office@schneider.co.at

Web: <https://www.schneider.co.at>

EC Declaration of Conformity

(in accordance with the Machinery Directive 2006/42/EG, Annex II A)

Manufacturer

Schneider Torsysteme Gesellschaft m. b. H.
Kalzitstrasse 1
4611 Buchkirchen
Austria

We hereby declare that the following product (series BR 600)

- Sliding Door AL601S, AL602S, AL603S, ST602S, STA60

by virtue of its design and type and in the model that we have brought to the market, satisfies the applicable fundamental health and safety requirements of the following directives/provisions:

2006/42/EC Machinery Directive

Regulation (EU) 305/2011 concerning the marketing of construction products

2014/30/EU Electromagnetic Compatibility Directive

Applied harmonised standards:

EN 13241:2003+A2:2016 Industrial, commercial and garage doors and gates – Product standard, performance characteristics

EN 60335-1:2012 Household and similar electrical appliances – Safety - General requirements

EN 60335-2-103:2015 Household and similar electrical appliances – Safety - Particular requirements for drives for gates, doors and windows

Other applied technical standards and specifications:

EN 12453:2017 Industrial, commercial and garage doors and gates – Safety in use of power operated doors – Requirements and test methods

EN 12604:2017 Industrial, commercial and garage doors and gates – Mechanical aspects – Requirements and test methods

The Declaration shall apply only if assembly is carried out in accordance with all items in the assembly manual provided by the manufacturer and if the safety of the final assembly has been ascertained by the assembly supervisor. Validity shall be void if modifications are made to the system by the operator or a third party.

Authorised to compile documentation: Bernhard Pichler

Buchkirchen, dated 03.04.2019

SCHNEIDER
Torsysteme Gesellschaft m.b.H.
A-4611 Buchkirchen, Kalzitstraße 1
Tel. 07243 / 54588 Fax 07243 / 54588-6
www.schneider.co.at office@schneider.co.at

Martin Schneider; Managing Director