



Industrie Service

Type examination certificate

Certificate No.:	G 577/2
Applicant / Certificate Holder:	Label S.p.A. Via Ilariuzzi 17/A S. Pancrazio P.se 43126 Parma - Italy
Manufacturer:	Label S.p.A. Via Ilariuzzi 17/A S. Pancrazio P.se 43126 Parma - Italy
Product:	Drive systems for hinged doors
Type:	"Neptis"
Approved test laboratory:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 München - Germany
Test Report:	G 577/2 dated 2019-06-04
Basis of examination:	DIN EN 16005:2013-01 Power operated pedestrian doorsets – Safety in use – Requirements and test methods DIN 18650-1:2010-06 Powered pedestrian doors – Part 1: Product requirements and test methods DIN 18650-2:2010-06 Powered pedestrian doors – Part 2: Safety at powered pedestrian doors
Extent of examination:	The "Neptis" drive systems for hinged doors meet the requirements of the test specifications for the respec- tive scope of application stated on the annex to this type examination certificate. The conditions mentioned in the annex have to be observes.
Date of Issue:	2019-06-04
Vaidity until:	2022-06-03

Peter Retzbach

Department New Technologies



Annex to type examination certificate
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1 Scope of application

The drive system "Neptis" is intended for single-leaf swing doorsets or double-leaf swing doorsets (DIN EN 16005 figure C.4 or C.5) with one drive unit for each door leaf, even in rescue ways (manual opening), with the following 6 variants:

Drive system	max. door leaf weight	Closing spring	Battery inside
Neptis SLT	250 kg up to 0,8 m width	yes	no
Neptis SLT-B	250 kg up to 0,8 m width	yes	yes
Neptis LET	120 kg up to 1,0 m width	yes	no
Neptis LET-B	120 kg up to 1,0 m width	yes	yes
Neptis SMT	250 kg up to 0,8 m width	no	no
Neptis SMT-B	250 kg up to 0,8 m width	no	yes

Maximum permissible width of the swing doorset leaf: 1.5 m at doorset leaf weight max. 100 kg, for Neptis LET and Neptis LET-B max. 80 kg.

Position of the drive system installation: either above the swing doorset (outside, opening with a pull arm in a rail on the swing doorset, or inside, opening with a push arm on the swing doorset), or on the swing doorset (outside, opening with a push arm fixed above the swing doorset).

2 Conditions

- 2.1 The swing doorset drive system "Neptis" shall only to be installed by a specialist company, authorized by the manufacturer, following the installation manual.
- 2.2 Installation only at weatherproof places (the degree of protection of the drive system is IP 31).
- 2.3 Use in escape ways and rescue ways only if it is possible to push open manually the swing doorset in escape direction. In case of double-leaf swing doorsets with overlapping door leaves the door leaf which requires too high forces, because the other leaf has to be pushed open in the beginning too, shall not be used as escape way.
- 2.4 Risk of crushing, shearing and retracting has to be avoided by keeping safety distances (e.g. gap \leq 8 mm, see DIN 18650-2:2010 4.4.1 and DIN EN 16005 4.6.11).
- 2.5 The limitation of the door leaf forces has to be checked at each installation before putting into service and afterwards in regular intervals appropriate to the use of the door. In case of the variants with closing spring also the closing forces after a power failure have to be checked.
- 2.6 For each installed door system the installer has to carry out a risk assessment, taking into account the environmental influences. If this comes to the conclusion that the risk is increased (generally in public areas, dangers by the environment, for children, handicapped persons, fragile persons), it will be necessary to install person-presence-sensors (performance level c or d according to DIN EN ISO 13849-1), which supervise the area of door leaf moves as long as a door drive is ready to use.
- 2.7 Presupposed is a valid testing-verification (e. g. certificate or test report) with regard to the installed protective devices (test specification: DIN 18650-1:2010 5.7.4 and annex C or DIN EN 16005:2013 4.6.8 and annex C).

Additionally it has to be regarded:

- The relation between height and width of a door leaf has to be less than 5:1.
- The above in 1 listed "max. doorset leaf weight" shall not be exceeded.
- Door heights > 3000 mm require a special permission of the manufacturer.

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- 2.8 Every delivery of a door drive system "Neptis" has to be accompanied by:
- The installation manual and the user manual
 - A declaration of the manufacturer (conformity to the tested sample)

3 Notes

- 3.1 The electronic control system meets category 2 and PL d according to EN ISO 13849-1.
- 3.2 An endurance test with 500.000 cycles has been carried out.
- 3.3 Further requirements of the responsible authorities for buildings are not touched.
- 3.4 Drawing up the EC declaration of conformity resp. affixing the CE marking according to the Directive on machinery is the duty of the installer who is responsible for the whole installation "automatic swing doorset" after consideration of the situation given at each installation (situation of the building, surrounding).
- 3.5 The essential product-relevant requirements of the standards DIN 18650-1:2010 and DIN 18650-2:2010 have also been considered within the type examination (application class 0 according to DIN 18650-1:2010 4.7).
- 3.6 The type examination certificate may be used only in connection with the pertinent Annex.