



Date : October 24, 2017

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	R38614-20170926	CERTIFICATE NUMBER	GWZQ.R38614
DATE OF ISSUE	2017-09-26	DATE OF ISSUE	2017-09-29
DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service	DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	BaSys - Bartels Systembeschlaege GmbH	NAME OF THE BRAND	PIVOTA®
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Gewerbegebiet Echternhagen 2 32689 Kalletal GERMANY	MODEL / NO	<p>Concealed Hinge, PIVOTA® 3-D Models DX 60, DX 61, DX 62, DX 65 "Design", DX 100, DX 101, DX 102, DXA 200 "Alu", DX 200, and DX 300 for use on single swinging-type wood covered composite core fire doors 36 in. (914 mm) in width by 84 in. (2133 mm) in height, or pairs of swinging-type wood covered composite core fire doors 72 in. (1828 mm) in width by 84 in. (2133 mm) in height rated up to and including 1/2 hr.</p> <p>Concealed Hinge, PIVOTA® 3-D Models DXS 100 "Steel", DXS 101 "Steel", DXE 100 "Enox", DXS 200 "Steel", and DXS 300 "Steel" for use on single swinging-type wood covered composite core fire doors 36 in. (914 mm) in width</p>



			by 84 in. (2133 mm) in height, or pairs of swinging-type wood covered composite core fire doors 72 in. (1828 mm) in width by 84 in. (2133 mm) in height rated up to and including 1 hr.
WEBSITE	www.basys.biz	LOGO ON THE PRODUCT	B a S y s
TEL	+49-5264-64 73 0	EMAIL	info@basys.biz

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT <small>(TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)</small>	<p>Door Hinges</p> <p>This category covers door hinges intended for use on swinging-type fire doors of the type specified in the individual certifications.</p>	R38614-20170926
TEST STANDARD <small>(SUCH AS ASTM/BS EN/ DN ETC)</small>	<p>ANSI/UL 10C, "Positive Pressure Fire Tests of Door Assemblies."</p> <p>UL 10C:</p> <p>1 Scope</p> <p>1.1 These methods of fire tests are applicable to swinging door assemblies, including door frames with lights and panels, of various materials and types of construction for use in wall openings to retard the passage of fire. The method does not provide an evaluation of a swinging door assembly when that assembly is part of a larger assembly (e.g. sliding fire door assembly), or when it is intended to be used as an elevator</p>	R38614-20170926



entrance.

1.2 Tests made in conformity with these test methods are intended to register performance during the test exposure; but such tests shall not be construed as determining suitability for use after exposure to fire.

1.3 It is the intent that tests made in conformity with these test methods allow for the development of data to enable regulatory bodies to determine the suitability of door assemblies for use in locations where fire resistance of a specified duration is required.

1.4 These methods are intended to evaluate the ability of a door assembly to remain in an opening during a predetermined test exposure.

1.5 The tests expose a specimen to a standard fire exposure controlled to achieve specified temperatures throughout a specified time period, followed by the application of a specified standard fire hose stream. The exposure, however, is not representative of all fire conditions, which vary with changes in the amount, nature, and distribution of fire loading, ventilation, compartment size and configuration, and heat sink characteristics of the compartment. It does, however, provide a relative measure of fire performance of door assemblies under these specified fire exposure conditions.

1.6 Any variation from the construction or conditions that are tested is capable of substantially changing the performance characteristics of the assembly.

1.7 The methods do not provide the following:

- a) Full information as to performance of all door assemblies in walls constructed of materials other than those tested.
- b) Evaluation of the degree by which the door assembly contributes to the risk of fire by generation of smoke, toxic gases, or other products of combustion.
- c) A temperature limit on the unexposed side of the door assembly.
- d) A limit on the number of openings allowed in glazed areas or of the number and size of lateral openings between the door and frame.
- e) Measurement of the degree of control or limitation of the passage of smoke or products of combustion through the door assembly. Note: See limitations for the passage of smoke detailed in the Standard for the Installation of Smoke Door



	Assemblies and Other Opening Protectives, NFPA 105 .										
TEST DESCRIPTION	<p>The following tests from the referenced standard(s), as applicable to the products submitted, were conducted:</p> <table border="1"> <thead> <tr> <th>Standard</th><th>Test</th><th>Standard Section</th></tr> </thead> <tbody> <tr> <td>UL 10C</td><td>Fire Endurance</td><td>11</td></tr> <tr> <td>UL 10C</td><td>Hose Stream</td><td>12</td></tr> </tbody> </table> <p>The results of this investigation including evaluation and testing indicate that the products are complied with applicable requirements of the Standard ANSI/UL 10C, "Positive Pressure Fire Tests of Door Assemblies." and therefore, such products are judged eligible to bear UL's Mark</p>	Standard	Test	Standard Section	UL 10C	Fire Endurance	11	UL 10C	Hose Stream	12	R38614-20170926
Standard	Test	Standard Section									
UL 10C	Fire Endurance	11									
UL 10C	Hose Stream	12									
SPECIFICATION OF TEST SPECIMEN	The samples used for testing and evaluation were considered representative of the submitted products.										
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___OBSERVATION___/ETC)	Pass-Only those products bearing UL Certification Mark should be certified and covered under UL's Follow-Up Service	R38614-20170926									
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.	<p>This category covers door hinges intended for use on swinging-type fire doors of the type specified in the individual certifications.</p> <p>These hinge designs have been investigated with respect to their fire-protection characteristics. <i>Where indicated by reference to ANSI/BHMA in the individual certifications, these hinge designs have been investigated as to their cycling, wear, strength and finish characteristics.</i> Door hinges are for use on hollow-metal, metal-clad, composite (steel, wood and plastic-covered), sheet-metal and wood-core-type fire doors as indicated in the individual certifications. They have been investigated for use on fire doors installed in accordance with ANSI/NFPA 80, "Fire Doors and Other Opening Protectives," and the manufacturer's installation instructions.</p>										

United Arab Emirates
Ministry of interior
Civil Defense G.H.Q
Fire intentional Lab & House
Of Expertise & Training Center
Approval Committee



Building & Life Safety
Technologies

Northbrook, IL US

For UAE Certificate of Compliance use only.




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وزارة الداخلية
لقيادة العامة للدفاع المدني
لجنة اعتماد المختبرات العالمية
مبيوت الخبرة ومعاهد التدريب

Laboratory and Certification body details

لجنة اعتماد المختبرات العالمية ومبيوت الخبرة ومعاهد التدريب



NAME OF CERTIFICATION BODY	UL LLC	NAME OF TEST FACILITY	UL LLC Facility
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road Northbrook, IL 60062 USA	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road Northbrook, IL 60062 USA
WEBSITE	www.ul.com	WEBSITE	www.ul.com
TEL	+1-877-854-3577	TEL	+1-877-854-3577
EMAIL	FireandSecurity@ul.com	EMAIL	FireandSecurity@ul.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	American National Standards Institute (ANSI) as a product certification body ansi.org	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	International Accreditation Services (IAS) iasonline.org
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC 17065	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	Active as of date of issuance of this certificate	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	Active as of date of issuance of this certificate
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Accreditation ID #0198	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Accreditation ID # TL-157
CERTIFICATION MARK			



(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER (To be completed by customer)			
NAME OF MANUFACTURER'S SIGNATORY		SIGNATURE	
EMAIL / TEL		FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Michael Nicasio	SIGNATURE	
EMAIL / TEL	Michael.Nicasio@ul.com 847-664-3148	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

Door Hinges

BARTELS SYSTEMBESCHLAGE GMBH
GEWERBEGEBIET ECHTERNHAGEN 2
32689 KALLETAL, GERMANY

September 29, 2017 R38614

Concealed Hinge, PIVOTA® 3-D Models DX 60, DX 61, DX 62, DX 65 "Design", DX 100, DX 101, DX 102, DXA 200 "Alu", DX 200, and DX 300 for use on single swinging-type wood covered composite core fire doors 36 in. (914 mm) in width by 84 in. (2133 mm) in height, or pairs of swinging-type wood covered composite core fire doors 72 in. (1828 mm) in width by 84 in. (2133 mm) in height rated up to and including 1/2 hr. (Report Date: 2017-09-26)

Concealed Hinge, PIVOTA® 3-D Models DXS 100 "Steel", DXS 101 "Steel", DXE 100 "Enox", DXS 200 "Steel", and DXS 300 "Steel" for use on single swinging-type wood covered



composite core fire doors 36 in. (914 mm) in width by 84 in. (2133 mm) in height, or pairs of swinging-type wood covered composite core fire doors 72 in. (1828 mm) in width by 84 in. (2133 mm) in height rated up to and including 1 hr. *(Report Date: 2017-09-27)*

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**