

Notified Body No. 2812

## Certificate of Constancy of Performance

### 2812-CPR-AC5075

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product:

### BRITON SINGLE AXIS FIXED PIN HINGES SEE ANNEX A

**Intended use:** For use on fire/smoke compartmentation doors, and escape route doors

Essential characteristics	Performance	Harmonised technical specification
	<b>Mechanical test evidence:</b> WIL 363758, 363761  <b>Fire Test Evidence:</b> WF 380223	
<b>Self-closing</b> <b>Initial friction torque (door mass 120kg)</b> <b>Static load</b> <b>Load deformation</b>	<4 Nm  Passed with a displacement under load: -lateral <4 mm -vertical <2 mm and a residual displacement after unloading. -lateral <0.6 mm -vertical <0.3 mm	EN 1935:2002
<b>Overload</b>  <b>Shear strength</b>  <b>Hinges for use on fire-resistant and/or smoke-controls doors</b>	Passed  Passed with a lateral and vertical displacement after unloading < 3 mm  Grade 1: suitable for use on fire/smoke resistant door assemblies	
<b>Durability</b>  <b>Families of hinges with common design features</b>  <b>Corrosion resistance</b>	Passed a 200,000 cycles test with a maximum wear: -lateral <0,5 mm -vertical <1 mm and with a maximum frictional torque. -after 20 cycles <3 Nm -after the completion of 200,000 cycles <3 Nm The hinge covered by this CPR is the hinge tested  Grade 4: 240 hours	EN 1935:2002
<b>Dangerous substances</b>	Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	EN 1935:2002

## Certificate of Constancy of Performance

**2812-CPR-AC5075**

Placed on the Market under the Name of

**Allegion (UK) Ltd  
35 Rocky Lane  
Aston  
Birmingham  
B6 5RQ**

and produced in the manufacturing plant

**J/039**

**This is coded format and the information is held by the Notified Body**

This certificate attests that all provisions concerning the Assessment and Verification of Constancy of Performance described in Annex ZA of the standard(s):

**EN 1935: 2002**

Under System 1 for the performance set out in this certificate are applied and that the Factory Production Control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 22/12/2020 and will remain valid as long as neither the harmonised standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Notified Product Certification Body.

Valid to: **31/01/2021**

ERO Project Reference: **EROWF10112**



Paul Duggan  
Certification Manager

CSF408-NL 5.0

## Certificate of Constancy of Performance

**2812-CPR-AC5075**

**Annex A**

**BRITON**

4801.304.SS	4801.304.NS.SS	4801.304.PS
4802.304.SS	4802.304.PS	4803.304.SS
4803.304.PS		