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Date

2021-08-30

Reference

O100408-164217-4

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1 (1)

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Fire technical assessment of building hardware

(1 appendix)

The concealed door loop K540, seen in appendix 1, from Boyesen and Munthe has been tested in a full-scale fire test according to EN 1634-1:2014+A1:2018. It was tested in a door leaf made of uninsulated steel profiles and the test lasted for 133 minutes with no failure of the concealed door loop K540. Based on the classification periods according to EN 13501-2, the K540 fulfils the demands for E 120.

The concealed door loop K540 may be subject to assessment regarding each relevant Extended Field of Application standard. An individual evaluation of each door construction is necessary for the use of the door loop. This evaluation is depending on the surrounding design, materials and test result of the actual door.

This assessment is based on test report O100402-126393 dated March 29, 2021, from RISE Research Institutes of Sweden.

This assessment is a judgment based on the test report stated above. The assessment is not comparable with a type approval or certificate where documentation for all relevant properties needed for the intended use of the product or system is evaluated by a third party. For certification may also surveillance inspections and mounting etc. be regulated. General approval of the construction can be applied at an accredited certification body.

This assessment is valid for two years or until the transition period for the harmonized technical specification that the product can be CE marked against ceases.

RISE Research Institutes of Sweden AB Department Fire Technology - Fire Resistance Management

Performed by

Examined by

Monika Förster

Pär Johansson

Appendix

Appendix	Description	Page
1	Drawings and specifications from the sponsor	1

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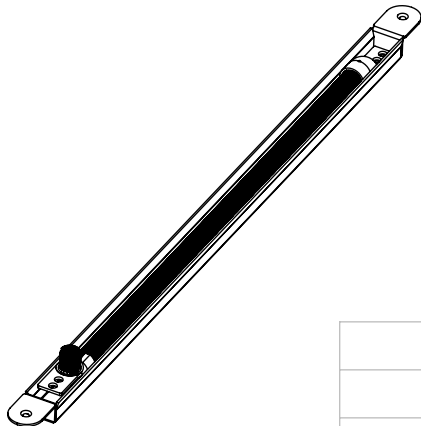
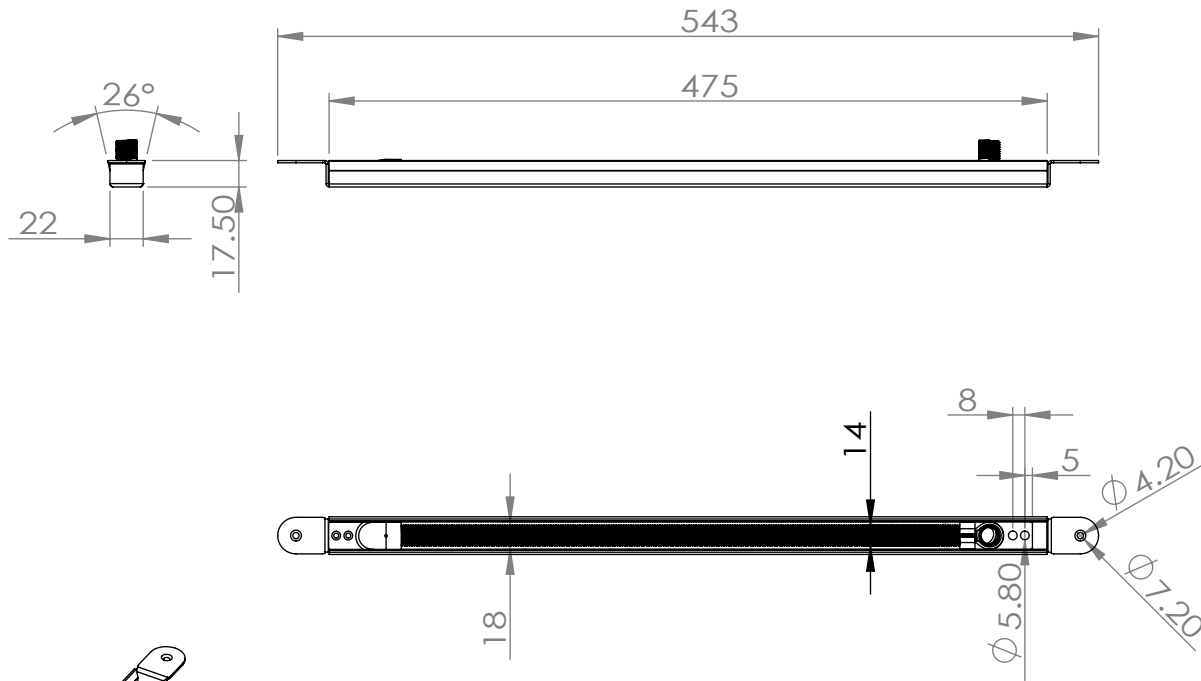
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Boyesen & Munthe AS			
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE: Consealed door loop K540			
		TOLERANCES:	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±				SIZE DWG. NO. REV A 7911 D14			
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			Also available in other finishes and materials like stainless steel			
		MATERIAL	COMMENTS:						
		Steel							
NEXT ASSY	USED ON	FINISH	Nickel-plated						
APPLICATION		DO NOT SCALE DRAWING		SCALE: 1:5 2019-12-21 SHEET 1 OF 1					