

# PRODUCT CERTIFICATE

ABB Oy

manufactures

## Electrical wall sockets for 70 mm fire walls

Electrical wall sockets produced by ABB Oy are intended to be use in fire separating walls EI30 and EI60. Electrical wall sockets are installed according to manufacturer's instructions and following the dimensions specified by the manufacturer.

This certificate is based according to certification criteria VTT SERT R056/12 on an initial type assessment of the product and an initial inspection of the factory production control. Fire resistance of structures has been tested at VTT Expert Services Ltd according to standards EN 1366-6:2009 and EN 1363-1. Fire classes for socket pass throughs in different cases are presented below:

Wall structure	Fire class of wall	Type of wall socket					Fire class of wall socket pass through
		2900	2100	1800	1100	200	
2x12,5 mm gypsum boards (type A) on both sides of wall. Steel or wooden framework c/c 600 mm, 70 mm insulation of rock wool, 30 kg/m <sup>3</sup> .	EI 60	AU60.1 AU60.5 AU67	AU5.5	AU67	AU60.5	AU60.5 AU60.1 [AU60.1+ AU60.5+ AU60.1]	EI 60
12,5 mm gypsum board (type A) on both sides of wall. Steel or wooden framework c/c 600 mm, 70 mm insulation of rock wool, 30 kg/m <sup>3</sup> .	EI 30	AU5.5 AU60.1 AU60.5 AU67	AU5.5	AU60.1 AU67	AU60.1 AU60.5 [AU60.1+ AU60.5+ AU60.1]	AU60.5 AU60.1 [AU60.1+ AU60.5+ AU60.1]	EI 30

In the above-specified classified fire wall structures, fire classes for wall socket pass throughs are met when the installation is completed according to the manufacturer's instructions (01/2016 or a later updated version).

This certificate is valid until December 12, 2021 on condition that the product is not essentially changed and the manufacturer and VTT Expert Services Ltd have a valid contract on quality control. To check the validity of this certificate, see [www.vtt-todistus.fi](http://www.vtt-todistus.fi). Other conditions are listed on the reverse side of the certificate.

Espoo, May 8, 2017

Tiina Tirkkonen  
 Product Manager

Lina Markelin-Rantala  
 Lead Assessor

This document has been signed electronically

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No VTT-C-11703-16  
May 8, 2017

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Conditions of validity of the certificate:

Where reference is made in this certificate to any regulations, publications, standards or other documents, it shall be construed as a reference to such publication in the form of which it is in force at the date of this certificate.

The manufacturer is responsible for the quality and continuous quality control of the product. In granting this certificate, VTT Expert Services Ltd does not accept responsibility to any person or body for any loss or damage incurred in respect of personal injury arising as direct or indirect result of the use of this product.

The use of the name of VTT Expert Services Ltd or the name VTT Technical Research Centre of Finland Ltd in any other form in advertising or distribution in part of this certificate is only permissible with written authorisation from VTT Expert Services Ltd.

This certificate is the English version of the original VTT-C-11703-16 Swedish certificate. In case of dispute the Swedish original of the certificate is valid.