

Danfoss A/S6430 Nordborg
Denmark
CVR nr.: 20 16 57 15Telephone: +45 7488 2222
Fax: +45 7449 0949**MANUFACTURER'S DECLARATION****Danfoss A/S**

Climate Solutions/EC&S

declares under our sole responsibility that the

Product category: Alsmart expansion modules

Type designation(s): AS-XP05+, AS-XP05

covered by this declaration is in conformity with the following directive(s), regulations(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

The ignition hazard assessment for applications with flammable refrigerant gases of group IIA has been conducted.

Components that produce arcs or sparks during normal or abnormal operating conditions other than "non-self-resetting protective devices" and "intentionally weak parts" comply with:

- IEC 60335-2-24: 2020, Annex CC (references in clause 22.109)
- IEC 60335-2-89: 2019, Annex BB (references in clause 22.113)

Components that produce arcs or sparks during normal operation, in particular electromechanical relays have been tested and comply with Clause 16 to 22 of IEC 60079-15:2010. Therefore they are not considered as a source of ignition for group IIA gases according to



- IEC 60335-2-40: 2018 clause 22.116

The equipment has been verified according to

- IEC 60335-2-24:2020, clause 22.110
- IEC 60335-2-40:2018, clause 22.117
- IEC 60335-2-89:2019, clause 22.114
- EN 378-2:2016, clause 6.2.14

for maximum component temperature during the tests specified in clause 11 and 19 of IEC60335-1. The maximum temperatures have been determined being lower than 370°C.

The suitability of the equipment in areas where flammable refrigerants are used must be reviewed and judged for the end applications

Date: 2024.10.07 Place of issue: Mestre, Italy	Issued by Signature:  Name: G. Dametto Title: Sr. Specialist HW/SW	Date: 2024.10.07 Place of issue: Mestre, Italy	Approved by  Signature: Name: A. Candaten Title: Director R&D & Engineering HW
---	--	---	--

Danfoss only vouches for the correctness of the English version of this document. In the event of the document being translated into any other language, the translator concerned must be liable for the correctness of the translation.