



Use of Compact 2 with Flammable Refrigerants

Use of the Compact II model number OPC-2-120070-1F11P03E with Flammable Refrigerants

The Optidrive Compact is not suitable for use in EX classified areas (Atex directive).

When this product (OPC-2-120070-1F11P03E) is used with flammable refrigerants, the following considerations apply:

- The product has been evaluated in accordance with IEC 60335-2-40:2022 clause 22.116 and deemed compliant.
 - Electrical components within the drive that could normally create arcs or sparks are limited to the relays.
 - These relays have been independently tested as per clause 22.116.3 and are not considered an ignition risk.
- The product has been evaluated in accordance with IEC 60335-2-40:2022 clause 22.117 and deemed compliant.
 - Hot Surfaces within the product have been verified to remain below the auto-ignition temperatures of the following refrigerants (to list a few) by a margin of at least 100K – R32, R290, R600a, R1270.
 - The product has built-in protection to detect and trip under conditions of locked rotor, we recommend that this functional test is carried out for system compliance in accordance with IEC 60335-2-40.
- It is still recommended and good practice to further mitigate the risk resulting from leaked refrigerant by the following:
 - Separate product from any area where flammable refrigerant could accumulate.
 - Ventilate areas where there is risk of accumulation of flammable refrigerant.

NOTE: The acceptability of the Optidrive Compact II in end use applications where flammable refrigerant is employed shall be reviewed and judged by the end use application.



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