

Safety device for use in Explosive Atmospheres

TeSys Power - Deca Motor Circuit Breakers Frame 2

 II (2) GD - Zones 1 - 2, 21 – 22

EU-Type Examination Certificate Number: INERIS 06ATEX0035X
UK-Type Examination Certificate Number: CML 21UKEX7330X

Introduction



TeSys Deca motor circuit breakers frame 2 can be used to protect motors in explosive atmospheres when they bear the following marking:

 0080
 II (2) GD
[Ex e]
INERIS06ATEX0035X

UK
CA 2503
CML 21UKEX7330X

General Rules of Use

These products MUST be installed outside Ex zones.

They are qualified for the protection of motors that are protected against explosions and placed in Zones 1-2 or 21-22.

Use of these products must be limited to the electric motor protection function for which they are designed.

These products must be installed, used and maintained in accordance with the standards and regulations applicable within the country of installation, for example:

- directive 99/92/EC
- EN/IEC standards: 60079-14, 60079-17, 60364
- harmonised / designated standard: EN 50495
- established practice for installation in the zone or zones for which they have been designed.

We accept no responsibility in the event of failure to comply with these standards and regulations.

This product must be installed, configured, started up and maintained by qualified, authorized personnel.

Responsibility for manufacturer traceability (serial number on the certification label) is at the first known delivery destination.

These products MUST be used to provide protection against motor overloads:

- for increased safety motors, in the context of standard IEC 60079-7, or
- when required by the UE-type or UK-type examination certificate of the motor installed in the Ex zone.

Startup

- Before startup, check that the product has not been damaged (do not use a product if it is damaged).
 - Check that the information marked on the product is compatible with the permitted conditions for the Ex zone of the site at which it is to be used:
 - group II:** Surface industries
 - category 2:** High protection level, D: Dust - G: Gas
 - Store products in their original packaging, in a dry place, T: -40 °C... +80 °C
 - On startup: Connect, assemble and configure the product in accordance with the manufacturer's instructions.
 - All other information required for setting up the products (including dimensions, connection diagrams, mounting and configuration) can be found in the following documents, which serve as instructions for use:
 - instruction sheets supplied with TeSys Deca motor circuit breakers frame 2
 - Schneider Electric TeSys catalog - Control and Protection Components.
- These documents can be downloaded from www.se.com.

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Configuration and Use

The following conditions **MUST** be met in order to guarantee the level of safety required in an explosive atmosphere.

WARNING

RISK OF INADEQUATE MOTOR PROTECTION

- TeSys Deca motor circuit breakers frame 2 must be configured by qualified, trained service personnel.
- The thermal class and motor current of the TeSys Deca motor circuit breakers frame 2 must be adapted in accordance with the motor to be protected.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Please also note that in the event of a trip following a motor overload, an emergency restart is not permitted until the motor has cooled down completely.

Maintenance

In accordance with the maintenance rules for any electrical installation, check the following once a year:

- the correct tightening of cables, by conducting thermographic testing
- the mechanical operation of the product, by manually operating the test button.

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Due to possible changes in standards and equipment, the features described in this document in the form of text and images are subject to confirmation by Schneider Electric.

Design, production: Schneider Electric