

# TÜV NORD CERT – Testing of degrees of protection provided by enclosures acc. to EN 60529 (IP Code)

The provisions of the Low Voltage Directive are intended to ensure that people and animals are not harmed by touching electrical machinery and equipment. This is why malfunctions that could be caused by ingress of dust or moisture must be prevented from the very beginning.

With its testing of degrees of protection provided by enclosures, TÜV NORD CERT verifies that the protection according to the IP Code stated by the manufacturer is correct, and confirms the circumstances under which electrical and electronic equipment can be safely operated.

#### Target groups for the tests

The tests are directed towards manufacturers and operators of electrical equipment and housings (for example motors, drives, control units, control cabinet enclosures and housings in

general), whose products fall within the scope of Low Voltage Directive 2006/95/EC. Using tests based on Standard EN 60529, the degree of protection offered by housings against penetration of solids and liquids is determined; the requirements of EN 60529 may also be augmented by product-specific standards.

#### Benefits of the tests

Generally, manufacturers do not themselves possess test facilities which allow fulfilment of the legal requirements; having the tests performed by TÜV NORD CERT renders the purchase of expensive equipment unnecessary. Following successful testing of their products, manufacturers receive recognised and independent confirmation that the product characteristics are present as claimed. The basic product specification can be further substantiated by means of independent testing.

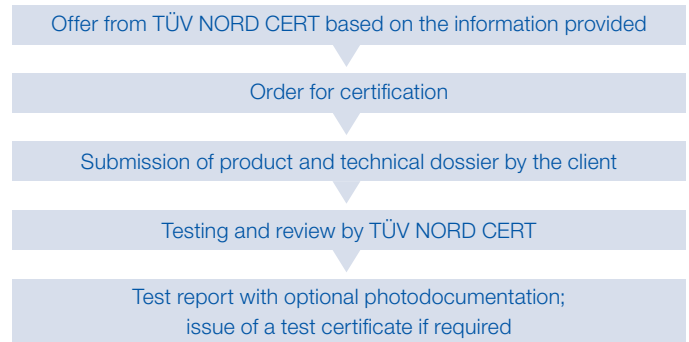
#### Prerequisites for the tests

Prior to the tests, the manufacturer must supply a sample item of equipment or a sample enclosure and must name the circumstances under which it is to be used.

### Our know-how for your success

TÜV NORD CERT is a well-established and reliable partner for inspection and certification services throughout the world. Our experts and auditors have extensive knowledge based on experience and are generally permanently employed by TÜV NORD. This guarantees independence and neutrality, and also means we can offer continuity in supporting our clients. The benefit to you is clear: our auditors accompany and support the development of your company and provide you with objective feedback.

### The route to the test report



### Are you interested?

Please send us your response by fax.

We are looking forward to hearing from you.

Yes, I am interested in testing according to EN 60529 (IP Code). Please contact me.

**Sender** (Please use block capitals)

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