

### Approvals for World Markets

#### Overview

The **XT** line of products is approved for use throughout the world, including the USA and Canada. As such, they can be used without restriction as devices for world markets.

The majority of countries permit the import of devices on the manufacturer's undertaking that they have been constructed in accordance with the pertinent specifications. In the USA and Canada, however, there is a legal obligation to obtain official approval. In these countries, devices and enclosures—sometimes even complete control systems—are tested and approved by independent bodies.

In Europe, there also used to be a legal obligation to obtain official approval for low-voltage switchgear and controlgear. For industrial control gear, this legal obligation has now been abolished, provided the devices have been manufactured and tested in accordance with harmonized European standards (such as IEC/EN 60947). There is then no longer a requirement for them to carry their country's own approval mark.

Since January 1997, all devices must conform to the European Low-Voltage Directive and, where intended for sale within the European Union, must carry the CE mark.

**Europe**  
Conformité Européen (CE)



This mark denotes that the device carrying it conforms to all relevant requirements and specifications. The mandatory application of this mark therefore enables the unrestricted use of marked devices within the European economic area.

Since January 1996, all devices sold within the European union must comply with the Electromagnetic Compatibility (EMC) Directive. **XT** has passed the required tests to these Directives and the devices carry the CE mark, demonstrating compliance with the EMC Directive. *Because devices bearing the CE mark comply with the harmonized standards, approval and the associated marking is no longer required in the following countries:*

**Belgium**  
Comité Electro-technique Belge  
Belgisch Elektro-technisch Comité (CEBEC)



**Denmark**  
Danmarks Elektriske Materielkontrol (DEMKO)



**Finland**  
(FIMKO)



**France**  
Union Technique de l'Electricité (UTE)



**Netherlands**  
Naamloze Vennootschap tot Keuring van Electrotechnische Materialien (KEMA)



**Norway**  
Norges Elektriske Materielkontrol (NEMKO)



**Sweden**  
Svenska Elektriska Materiel-Kontrollanstalten (SEMKO)



**Switzerland**  
Schweizerischer Elektrotechischer Verein (SEV)



Devices in the USA and Canada have UL and CSA approval.

**USA**  
Underwriters Laboratories (UL)



Listing

Recognition



**Canada**  
Canadian Standards Association (CSA)



Recently introduced is the mandatory approval of electrical products for:

- Slovakia
- Poland
- South Africa
- China
- Russia
- Turkey
- Argentina

Marking is partly mandatory for these countries. The IEC rating data is accepted as in other European countries.

Approval is not mandatory in the Czech Republic and Hungary. The manufacturer's declaration of conformity is sufficient here.

Romania requires that components that are to be used in public buildings must be approved by the Romanian test authority ICECON.

**Russia**  
Devices for Russia must bear the appropriate marking.



**Russia**  
Goststandart (GOST-R)

**South Africa**  
ZA  
SABS



**Argentina**



#### Selection of Devices

"Selection appropriate for export" does not mean merely meeting the requisite approvals and conformity to relevant specifications. The meaning of the term goes a great deal further by even including that equipment and installations must be designed to a concept with export in mind.