

International Approvals

Siemens control is designed, manufactured and tested in accordance with relevant IEC standards, CENELEC Agreement Documents and DIN VDE

0660 requirements. This global design philosophy assures that most Siemens low-voltage equipment can be used worldwide. Occasionally, there may be

some restrictions on maximum permitted voltages, currents and ratings and, in others, special approval or markings may be necessary.

National Authorities for Standards and Specifications

Abbreviation	Approval Identification	Meaning
ANSI		American National Standards Institute Publishes specifications and standards in virtually all fields (not only electrical). For low-voltage switchgear, the ANSI has adopted the American NEMA and UL specifications to a large extent
AS		Australian Standards Already partially adapted to IEC
BS		British Standard Already partially adapted to IEC
CE	CE	Communautés Européennes European conformity marking. Declares that the product meets the directives of the European Union (EU)
CEE		International Commission on Rules for the Approval of Electrical Equipment Partially used by the Scandinavian countries as a basis for low-voltage switchgear with rated currents up to 63A
CEI		Comitato Elettrotecnico Italiano Italian electrotechnical committee
CEMA		Canadian Electrical Manufacturers Association
CEN		Comité Européen de Normalisation European committee for standardization
CENELEC		Comité Européen de Normalisation Electrotechnique European committee for electrotechnical standardization (general secretariat in Brussels)
CSA	CSA	Canadian Standards Association Responsible for publishing standards and granting approvals
DEMKO	DEMKO	Danmarks Elektriske Materielkontrol Danish board of control for electrotechnical products. Responsible for publishing standards and granting approvals
DIN		Deutsches Institut für Normung e.V (German Industrial Standards)
EEMAC		Electrical and Electronic Manufacturers Association Canada
IEC		International Electrotechnical Commission (French: CEI) All the major industrialized countries are involved in the work of the International Electrotechnical Commission. The resulting IEC recommendations are to some extent either adopted directly into national specifications and standards, or the national specifications and standards are adapted to harmonize with these recommendations
IEEE		Institute of Electrical and Electronics Engineers
IS		Indian Standard (Indische Bestimmungen) Already partially adapted to IEC
ISO		International Organization for Standardization
JIS		Japanese Industrial Standard
KEMA	KEMA	Keuring van Elektrotechnische Materialen Dutch testing authority, which also performs CSA approval tests for European manufacturers
NBN		Normes de l'Institut Belge de Normalisation Standards issued by the Belgian standards institute (already partially adapted to IEC)
NEMA		National Electrical Manufacturers Association
NEMKO	NEMKO	Norges Elektriske Materielkontrol Norwegian controls authority for electrotechnical products, responsible for publishing standards and granting approvals
NEN		Nederlandse Norm Dutch standard
ÖVE	ÖVE	Österreichischer Verband für Elektrotechnik Austrian association for electrotechnology. Conforms to a large extent with the DIN VDE and IEC specifications
RER		Rafmagnsefrilit ríkisins Finnish testing authority for electrotechnical products
SABS		South African Bureau of Standards
SASO		Saudi Arabian Standards Organization
SEMKO	SEMKO	Svenska Elektriska Materielkontrollanstalten Swedish controls authority for electrotechnical products, responsible for publishing standards and granting approvals
SEN		Svenska Elektrotekniska Normer Swedish electrotechnical standards
SETI		Finnish electrotechnical testing authority
SEV	SEV	Swiss electrotechnical association
UL	UL	Underwriters' Laboratories Inc. Testing authority of the national fire insurance in the USA. Among other activities, it carries out testing on electrotechnical products and issues the corresponding specifications and regulations
UTE		Union Technique de l'Électricité French electrotechnical association
VDE		Verband Deutscher Elektrotechniker e.V. (Association of German Electrical Engineers)