

Protective Earth/Functional Earth Wiring

Terminal	Input Voltage	Protective Earth	Functional Earth	Wire Type	Wire Size	Terminal Screw Torque
400 and 600	85...264V AC		—	Cu 90 °C (194 °F) ⁽³⁾ stranded or solid	2.1...3.3 mm ² 14...12 AWG	0.45...0.56 N•m (4...5 lb•in)
700 to 1500 ^{(1) (2)}			—		2.1...5.3 mm ² 14...10 AWG	1.13...1.36 N•m (10...12 lb•in)
400 to 600	18...30V DC	—		Cu 90 °C (194 °F) ⁽³⁾ stranded or solid	2.1...3.3 mm ² 14...12 AWG	0.45...0.56 N•m (4...5 lb•in)
700 to 1500 ⁽²⁾	18...32V DC	—			2.1...5.3 mm ² 14...10 AWG	1.13...1.36 N•m (10...12 lb•in)

(1) 700 to 1500 terminals with an AC power input, require to connect both the protective earth and functional earth to ground.
 (2) The functional earth connection is on the back of the display.
 (3) Minimum required insulation temperature rating.

North American Hazardous Location Approval

The following information applies when operating this equipment in hazardous locations.	Les informations suivantes s'appliquent pour les équipements utilisés dans des environnements dangereux.
<p>When marked, these products are suitable for use in Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, Group IIC, Class II, Division II, Groups F, G; Class III hazardous locations and nonhazardous locations only. Each product is supplied with markings on the rating nameplate indicating the hazardous location temperature code. When combining products within a system, the most adverse temperature code (lowest "T" number) may be used to help determine the overall temperature code of the system. Combinations of equipment in your system are subject to investigation by the local Authority Having Jurisdiction at the time of installation.</p>	<p>Les produits marqués "CL I, DIV 2, GP A, B, C, D" ne conviennent qu'à une utilisation en environnements de Classe I Division 2 Groupes A, B, C, D dangereux et non dangereux. Chaque produit est livré avec des marquages sur sa plaque d'identification qui indiquent le code de température pour les environnements dangereux. Lorsque plusieurs produits sont combinés dans un système, le code de température le plus défavorable (code de température le plus faible) peut être utilisé pour déterminer le code de température global du système. Les combinaisons d'équipements dans le système sont sujettes à inspection par les autorités locales qualifiées au moment de l'installation.</p>
<p>WARNING: EXPLOSION HAZARD</p> <ul style="list-style-type: none"> Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous. Do not disconnect connections to this equipment unless power has been removed or the area is known to be nonhazardous. Substitution of components may impair suitability for Class I, Division 2. Peripheral equipment must be suitable for the location in which it is used. The battery or real-time clock module in this product must only be changed in an area known to be nonhazardous. All wiring must be in accordance with Class I, Division 2, Class II, Division 2, or Class III, Division 2 wiring methods of Articles 501, 502 or 503, as appropriate, of the National Electrical Code and/or in accordance with Section 18-1J2 of the Canadian Electrical Code, and in accordance with the authority having jurisdiction. 	<p>AVERTISSEMENT - RISQUE D'EXPLOSION</p> <ul style="list-style-type: none"> Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher l'équipement. Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher les connecteurs. La substitution de composants peut rendre cet équipement inadéquat à une utilisation en environnement de Classe I, Division 2. Les équipements périphériques doivent s'adapter à l'environnement dans lequel ils sont utilisés. La batterie ou le module de l'horloge en temps réel de ce produit doit être changé(e) uniquement dans un environnement classé sans risque. Tous les systèmes de câblage doivent être de Classe I, Division 2, Classe II, Division 2, ou Classe III, Division 2, conformément aux méthodes de câblage indiquées dans les Articles 501, 502 ou 503 du National Electrical Code (Code Electrique National) et/ou conformément à la Section 18-1J2 du Canadian Electrical Code (Code Electrique Canadien), et en fonction de l'autorité de juridiction.

Environment and Enclosure Information

<p>ATTENTION:</p> <p>This equipment is intended for use in a Pollution Degree 2 industrial environment, in overvoltage Category II applications (as defined in IEC 60664-1), at altitudes up to 2000 m (6561 ft) without derating.</p> <p>The terminals are intended for use with programmable logic controllers. Terminals that are AC powered must be connected to the secondary of an isolating transformer. Terminals that are DC Class 2 powered may be supplied from an isolated DC source when used with the indicated fuse kit.</p> <p>This equipment is considered Group 1, Class A industrial equipment according to IEC CISPR 11. Without appropriate precautions, there may be difficulties ensuring electromagnetic compatibility in residential and other environments due to conducted or radiated disturbances.</p> <p>This equipment is supplied as open-type equipment. It must be mounted within an enclosure that is suitably designed for those specific environmental conditions that will be present and appropriately designed to prevent personal injury resulting from accessibility to live parts. The interior of the enclosure must be accessible only by the use of a tool. The terminals meet specified NEMA Type and IEC ratings only when mounted in a panel or enclosure with the equivalent rating. Subsequent sections of this publication may contain additional information regarding specific enclosure type ratings that are required to comply with certain product safety certifications.</p> <p>In addition to this publication, see:</p> <ul style="list-style-type: none"> Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1, for additional installation requirements. NEMA Standards 250 and IEC 60529, as applicable, for explanations of the degrees of protection provided by different types of enclosure.
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