



ABB Distribution Automation

## Feeder Protection and Control REF615 ANSI Reference list

<b>Country</b>	<b>Quantity</b>
AR - Argentina	17
AU - Australia	1
BO - Bolivia	48
BR - Brazil	123
CA - Canada	122
CL - Chile	6
CO - Colombia	28
CR - Costa Rica	44
DR - Dominican Republic	43
EC - Ecuador	43
FI - Finland	11
GT - Guatemala	1
MX - Mexico	609
NO - Norway	3
PA - Panama	38
PE - Peru	9
PH - Philippines	15
PR - Puerto Rico	4
SA - Saudi	1305
SV - El Salvador	20
TR - Turkey	7
US - United States	669
VE - Venezuela	26
ZA - South Africa	1
<b>Total</b>	<b>3193</b>

<b>Year</b>	<b>Country</b>	<b>End Customer</b>
<b>2011</b>	<b>CA - Canada</b>	Epcor Distribution and Transmission Potash Corporation of Saskatchewan
	<b>CR - Costa Rica</b>	ELMEC SA
	<b>EC - Ecuador</b>	OMACONSA Surpapel S.A.
	<b>GT - Guatemala</b>	Comercial Caribena S A
	<b>MX - Mexico</b>	Cementos Apasco Cementos Apasco S.A. de C.V. Ingenio Tala Tocopilla, Chile Unilever
	<b>PA - Panama</b>	ENSA Papeles Venezolanos
	<b>PE - Peru</b>	Antapaccay
	<b>SV - El Salvador</b>	Duke Energy
	<b>US - United States</b>	BASF Corp New Horizon Electric Cooperative Pfizer Rappahannock Electric Coop Steel of West Virginia WESCO Nashville
<b>2012</b>	<b>AR - Argentina</b>	Asea Brown Boveri SA
	<b>BO - Bolivia</b>	Asea Brown Boveri Ltda
	<b>BR - Brazil</b>	Electrobras Amazonas Energia
	<b>CA - Canada</b>	CNRL Jacobs Engineering
	<b>CR - Costa Rica</b>	CNFL - Compañía Nacional de Fuerza y Luz
	<b>DR - Dominican Republic</b>	ETED - Empresa de Transmisión Eléctrica Dominicana

	<b>MX - Mexico</b>	Minera Maple, S.A. DE C.V. Viscofan de Mexico
	<b>US - United States</b>	Air Liquide Large Industries US LP Andrews Air Force Base Bodine Electric Brooklyn Navy Yard City of Aurora Wastewater City of Walla Walla FirstEnergy Corp Garner Lumley Electric Supply Inc. Martelec Corp Myers Power Products Inc. New Jersey Transit Corp Public Service Company of Colorado Rappahannock Electric Coop Satin American Corp Solomon Corp Source One Solutions Inc. Volta LLC WESCO Nashville
	<b>VE - Venezuela</b>	PDVSA
<b>2013</b>	<b>AR - Argentina</b>	Asea Brown Boveri SA
	<b>BO - Bolivia</b>	Empresa de Luz y Fuerza Electrica, Bolivia YPFB Refinacion S.A.
	<b>BR - Brazil</b>	Hospital Albert Einstein, São Paulo
	<b>CA - Canada</b>	Electric light and power
	<b>CO - Colombia</b>	Electrificadora del Huila S.A. ESP Pacific Rubiales
	<b>CR - Costa Rica</b>	CNFL
	<b>DR - Dominican Republic</b>	Edelnorte Dominicana IMPORTADORA M.G.S. SA
	<b>EC - Ecuador</b>	Electrica de Guayaquil Equipos y Proyectos Tech SA Industrial Pesquera Santa Priscila

<b>MX - Mexico</b>	AHYG Electrotecnia Y Automatizacion, S.A. De C.V. AKM Bancomer BBVA CFE - Comision Federal de Electricidad Demek S.A DE C.V. Driescher y Wittjohann, S.A. Naucalpan Electro Tableros De Control Sa De Cv Gerdau Corsa S A P I PEMEX Petroamazonas Ecuador SA Pondercel, S.A. de C.V. Protecsa Refineria El Peñon Estado de Mexico Samsung Engineering Secretaria de la Defensa Nacional Secretaria de la Defensa Nacional SEDENA Ternium (Mining) Tubos De Acero De Mexico
<b>PA - Panama</b>	AES Panama Empresa de Servicios Publicos de Heredia Generadora Palamara La Vega
<b>PR - Puerto Rico</b>	Puerto Rico Electric Power Authority (PREPA)
<b>SA - Saudi</b>	General Authority of Civil Aviation Saudi Airport Saudi Arabian Oil SA
<b>SV - El Salvador</b>	Aeropuerto Internacional de El Salvador DELSUR
<b>US - United States</b>	AMPS AMTRAK Bay Area Rapid Transit Borough of Perkasio Bovis Lend Lease (Bancomer) City of Lebanon DTE Calvert City, LLC FirstEnergy Corp Florida State University IEM (R&D project) Industrial Electric Lawrenceburg Municipal Utilities Limatub Inc.

Merck  
Mining Controls Inc.  
New York State Electric & Gas  
Outdoor Test Lab  
Owens-Brockway Glass Container  
Rappahannock Electric Coop  
Satin American Corp  
Simplex Inc.  
Tampa Armature Works Inc.  
Town Of Culpeper  
Volta LLC  
Washington Metropolitan Area Transit Authority

**2014**

<b>BO - Bolivia</b>	Empresa de Luz y Fuerza Eléctrica Cochabamba
<b>BR - Brazil</b>	APS Componentes Electricos Bortolot Empresa Electrica Regional Norte S.A (EMELNORTE) Gerdau Corsa S A P I Johnson & Johnson Wartsila Brasil Ltda
<b>CA - Canada</b>	Burlington Hydro Electric Canada CNRL Calgary SaskPower, Boundary Dam, Highway #18 West, Estevan, SK S4A 2A6 Westshore Terminals Vancouver BC Westshore Termionals Coal Vancouver
<b>CL - Chile</b>	CMPC Cordillera
<b>CO - Colombia</b>	Ecopetrol Colombia Electrohuila S.A.E.S.P.
<b>DR - Dominican Republic</b>	Codetel Importadora M.G.S. SA
<b>EC - Ecuador</b>	Acueducto de Guayaquil Electrica de Guayaquil Empresa Electrica Regional Norte S.A (EMELNORTE) Petroamazonas Ecuador SA TCM S.A.
<b>GT - Guatemala</b>	Ticsa

<b>MX - Mexico</b>	Alstom Transport Mexico S.A de C.V Bancomer Biopapel Printing S.A de C.V Biopappel Printing S.A Celanese CFE - Comision Federal de Electricidad Commission Nacional del agua Cryoinfra Cummins, S de R.L. de C.V. Cypesa S.A de C.V De Acero Power SAPI de CV Fortius Gerdau Corsa S A P I Global Denim, Naucálpan Mexico Grupo Peñoles Intergen Kimberly Clark de Mexico Kimberly Clark De Mexico S.A. de C.V. Ottomotores Comercializadora S.A de C.V PACHISA PEMEX SFK de Mexico S.A de C.V Shell Sucat Station Sivesa, Veracruz Transformadores y Subestaciones de Mexico WEG Transformadores Mexico S.A
<b>PE - Peru</b>	Antapaccay
<b>PH - Philippines</b>	Cepalco Energy Services and Trading Corp CESTCO
<b>SA - Saudi</b>	Cepalco Energy Services and Trading Corp Misamis Oriental Philippines General Authority of Civil Aviation Joint Operations of Saudi Arabian Chevron Saudi Airport Saudi Arabian Chevron
<b>SV - El Salvador</b>	American Park
<b>TT - Trinidad Tobago</b>	Point Lisas Nitrogen Ltd. Couva, Trinidad and Tobago
<b>US - United States</b>	A and K Engineering Cambria CA Adex Intl Aventura FL American Park Borough of Ephrata Bowling Green Munic Utilities

Calpine Kennedy  
Central Valley Elec Coop in Artesia NM  
City of Columbus, HAP Cremean Water Plant, OH  
City of Jackson, Mo  
City of Waupun/ Waupun Utilities  
CMC STEEL  
County of Fairfax  
Diamond Offshore Drilling Inc.  
Driescher y Wittjohan, SA  
DTE Calvert City  
Emerson Process Management  
FirstEnergy Corp  
Gauley River Power Partners LP  
Global Industrial Solutions  
HF Chlor-Alkali LLC, Eddyville IA  
Honeywell Process Solutions (HPS)  
Indianapolis Motor Speedway Indianapolis IN  
Iowa State University  
Jackson MO Municipal Court  
JoaQuin Mfg Corp  
Matheson Gas  
Mississippi Silicon LLC  
Norfolk Naval Shipyard  
Pfizer  
Point Lisas Nitrogen Co  
Public Service Co of New Mexico  
Rappahannock Electric Coop  
Regional Transportation District, Denver, CO.  
Riverside Inc.. Parma ID  
Sociedad Nacional de Galapagos C.A.  
Southern Utah Valley Electric Service  
Taunton Municipal Light  
Texas State Technical College North Texas  
Universal Studios  
University of Florida, Gainesville FL  
US Department of Energy  
Washington Metropolitan Area Transit Authority  
Wood Electric  
Yale Central  
Yale University

**VE - Venezuela**

PDVSA

**ZA - South Africa**

Eskom Holdings Ltd



**2015**

<b>BR - Brazil</b>	Electrodata
<b>CA - Canada</b>	SaskPower, Boundary Dam Simark Controls Calgary
<b>EC - Ecuador</b>	Sociedad Nacional de Galapagos C.A. Driescher y Wittjohan, SA Grupo Mexico Tuxpan Port Terminal S.A. de C.V
<b>PE - Peru</b>	Antapaccay China Minmetals Corp XSTRACTA Antapacy
<b>PH - Philippines</b>	Apex Mining Co. Inc., Metro Manila, Philippines
<b>SA - Saudi</b>	General Authority of Civil Aviation
<b>US - United States</b>	Aiken Electric Cooperative BASF Geismar, Louisiana Jackson R-2 School District Public Service Co of New Mexico Washington Metropolitan Area Transit Authority Yale Central

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