CERTIFICATE OF COMPLIANCE

Certificate Number 20170926-E134045
Report Reference E134045-20050808
Issue Date 2017-SEPTEMBER-26

Issued to: ABB AUTOMATION PRODUCTS GMBH
APR/ACA
EPPELHEIMER STRASSE 82
69123 HEIDELBERG GERMANY

This is to certify that representative samples of PROGRAMMABLE CONTROLLERS
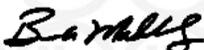See Addendum Page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 508 and CSA C22.2 No. 142-M1987 - STANDARD FOR INDUSTRIAL CONTROL EQUIPMENT

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models/Product:

USL, CNL – Programmable Controllers, Open Type, AC500 and S500 Series, all may be followed by –XC, basically consisting of:
Terminal Base Models TB511-ARCNET, TB511-ETH, TB 711F, TB521-ARCNET, TB521-ETH, TB541-ARCNET, TB541-ETH;
Terminal Unit Models TU505, TU 705F, TU506, TU 706F, TU515, TU 715F, TU516, TU531, TU532, TU552-CS31, TU551-CS31, TU541, TU542, TU 716F, TU 731F, TU 732F, TU507-ETH, TU508-ETH, TU509, TU 709F, TU510, TU 710F, TU517, TU518, TU520-ETH;

USL, CNL – Programmable Controllers, Open Type, Listed Accessories for use with AC500/S500 series, all may be followed by –XC,

     CPU Unit Models: PM571, PM572, PM573 could be followed by -ETH or -ARCNET, PM581, PM 783F, PM581, PM582 may be followed by –ARCNET or –ETH, PM585-ETH, EC581-ARCNET, PM590 may be followed by –ARCNET, –ETH or -ARCNET-ETH, PM591 may be followed by –ARCNET or –ETH; PM592 may be followed by –ARCNET or –ETH, PM595-4ETH may be followed by –F or –M, PM583 and EC583 may be followed by –ETH or –ARCNET, BCU06-ETH, SM560-S, SM560-S-FD1, SM560-S-FD4, all may be followed by –XC;
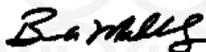   Communication Coupler Modules: CM572-DP, CM 772F, CM575-DN, CM574-RS, CM574-RCOM, CM577-ETH, CM579-PNIO, CM579-ETHCAT, CM578-CN, CM588-CN, CM579-PNIO, CM597-ETH, CM589-PNIO, CM589-PNIO-x, x maybe followed by additional digits, CM582-DP, CM592-DP, CM598-CN.
     Analog Input/Output Modules: AX522, AX 722F, AX521, AX 721F, AO523, AO 723F, AI523, AI531, AI 731F, AI 723F, AC522, AC 722F, AI581-S;
     Digital Input/Output Modules: DX522, DX 722F, DX531, DX 731F, DC532, DA501, DA502, CI502-PNIO, CI522-MODTCP, CI512-ETHCAT, CI542-DP, CI582-CN, DC 732F, DC541-CM, DC523, DC 723F, DC522, DC 722F, DA 701F, CD522, CD 722F, DX581-S;
     Digital Input Modules: DI524, DI 724F, DI581-S;
Digital Output Module: DO524

Bruce Mahrenholz, Director North American Certification Program
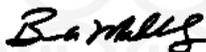**UL LLC**

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Decentral I/O Modules: DC505-FBP, DC 705F, DC551-CS31, DC551-08L1, CI590-CS31;
Motor Positioning Module PD501;
Analog and Digital Input/Output Modules: CI592-CS31, CI501-PNIO, CI521-MODTCP, CI511-ETHCAT, CI541-DP, CI581-CN, CI 741F;
Decentral Communication Modules: CI504-PNIO, CI506-PNIO.
Terminal Unit Module: TU582-S

USL, CNL – Programmable Controllers, Open Type, CMS Series, all may be followed by –XC, basically consisting of:

Terminal Functions (Base Board) – Models: TF501, TF521
I/O Unit – Models: FM502-CMS

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