

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L332693-34531-90301102-2
Report Reference E332693-20110309
Date 15-Dec-2023

Issued to: ABB AG
Eppelheimer Str 82
Heidelberg, Baden-Wurttemberg 69123
Germany

This is to certify that representative samples of NRAG - Programmable Controllers for Use in Hazardous Locations
See Addendum Page for Product Designation(s).

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

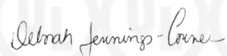
Standard(s) for Safety: UL 121201, 9th Ed., Issue Date: 2017-09-15, Revision Date: 2019-08-26

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services
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Certificate Number UL-US-L332693-34531-90301102-2
Report Reference E332693-20110309
Date 15-Dec-2023

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

Model	Category Description
AC 722F	Analog input/output modules
AC500 may be followed by -XC, consisting of Termin, al base models TB511-ARCNET, TB511-ETH, TB 711F, TB521-ARCNET, TB521-ETH, TB541-ARCNET, TB541-ETH, Terminal unit models TU505, TU 705F, TU506, TU510, TU 710F, TU 706F, TU515, TU 715F, TU516, TU520-ETH, TU531, TU532, TU552-CS31, TU551-CS31, TU582-S, TU518, TU509, TU 709F, TU517, TU 716F, TU 731F, TU 732F, and listed accessories for use with AC500/S500 series, all may be followed by -XC.	Programmable controllers, open type
AC522	Analog input/output modules
AI 723F	Analog input/output modules
AI 731F	Analog input/output modules
AI523	Analog input/output modules
AI531	Analog input/output modules
AI581-S	Analog input/output modules
AO 723F	Analog input/output modules
AO523	Analog input/output modules
AX 721F	Analog input/output modules
AX 722F	Analog input/output modules
AX521	Analog input/output modules
AX522	Analog input/output modules
CD 722F	Digital input/output modules
CD522	Digital input/output modules
CI 741-F	Analog and digital input/output modules
CI501-PNIO	Analog and digital input/output modules
CI502-PNIO	Digital input/output modules
CI504-PNIO	Decentral communication modules
CI506-PNIO	Decentral communication modules
CI511-ETHCAT	Analog and digital input/output modules
CI512-ETHCAT	Digital input/output modules
CI521-MODTCP	Analog and digital input/output modules
CI522-MODTCP	Digital input/output modules
CI541-DP	Analog and digital input/output modules
CI542-DP	Digital input/output modules
CI581-CN	Analog and digital input/output modules
CI582-CN	Digital input/output modules
CI590-CS31	Decentral I/O modules
CI592-CS31	Analog and digital input/output modules

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Certificate Number UL-US-L332693-34531-90301102-2
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CM 772F	Communication coupler modules
CM550-DDCS	Programmable Controllers for Use in HazLoc
Communication Modules, CM5610-2RS	Programmable Controllers
Communication Modules, CM5610-2RS-XC	Programmable Controllers
Communication Modules, CM5640-2ETH	Programmable Controllers
Communication Modules, CM5640-2ETH-XC	Programmable Controllers
CM572-DP	Communication coupler modules
CM574-RCOM	Communication coupler modules
CM574-RS	Communication coupler modules
CM575-DN	Communication coupler modules
CM577-ETH	Communication coupler modules
CM578-CN	Communication coupler modules
CM579-ETHCAT	Communication coupler modules
CM579-PNIO	Communication coupler modules
CM582-DP	Communication coupler modules
CM588-CN	Communication coupler modules
CM589-PNIO	Communication coupler modules
CM589-PNIO-x, x may be followed by additional digits.	Communication coupler modules
CM592-DP	Communication coupler modules
CM597-ETH	Communication coupler modules
CM598-CN	Communication coupler modules
DA 701F	Digital input/output modules
DA501	Digital input/output modules
DA502	Digital input/output modules
DC 705F	Decentral I/O modules
DC 722F	Digital input/output modules
DC 723F	Digital input/output modules
DC 732F	Digital input/output modules
DC505-FBP	Decentral I/O modules
DC522	Digital input/output modules
DC523	Digital input/output modules
DC532	Digital input/output modules
DC541-CM	Digital input/output modules
DC551-08L1	Decentral I/O modules
DC551-CS31	Decentral I/O modules
DI 724F	Digital input modules
DI524	Digital input modules
DI581-S	Digital input modules
DO524	Digital output modules
AC500, DO526, may be followed by -XC	Digital output modules
DX 722F	Digital input/output modules
DX 731F	Digital input/output modules
DX522	Digital input/output modules
DX531	Digital input/output modules

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Certificate Number UL-US-L332693-34531-90301102-2
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DX581-S	Digital input/output modules
CMS Series , FM502-CMS	Programmable controllers, open type
MC502 - SD Memory card	Accessories
AC500 , PM5630-2ETH	Programmable Controllers
AC500 , PM5630-2ETH-XC	Programmable Controllers
AC500 , PM5650-2ETH	Programmable Controllers
AC500 , PM5650-2ETH-XC	Programmable Controllers
AC500 , PM5670-2ETH	Programmable Controllers
AC500 , PM5670-2ETH-XC	Programmable Controllers
AC500 , PM5675-2ETH	Programmable Controllers
AC500 , PM5675-2ETH-XC	Programmable Controllers
PM571 may be followed by ETH or ARCNET, PM581, PM, 783F, PM582, may be followed by -ARCNET or -ETH, EC581-ARCNET, PM590, may be followed by -ARCNET or -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, EC583, may be followed by -ETH or -ARCNET, BCU06-ETH, SM560-S.	CPU units
PM572 may be followed by ETH or ARCNET, PM581, PM, 783F, PM582, may be followed by -ARCNET or -ETH, EC581-ARCNET, PM590, may be followed by -ARCNET or -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, EC583, may be followed by -ETH or -ARCNET, BCU06-ETH, SM560-S.	CPU units
PM573 may be followed by ETH or ARCNET, PM581, PM, 783F, PM582, may be followed by -ARCNET or -ETH, EC581-ARCNET, PM590, may be followed by -ARCNET or -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, EC583, may be followed by -ETH or -ARCNET, BCU06-ETH, SM560-S.	CPU units
SM560 S FD1 may be followed by XC	NRAG
SM560-S-FD4 may be followed by -XC	NRAG
TA521 - Lithium battery	Accessories
TA523 - Pluggable marker holder	Accessories
TA524 - Dummy coupler module	Accessories
TA525 - Plastic markers	Accessories
TA526 - Wall mounting accessory	Accessories
AC500 , TB5600-2ETH	Programmable Controllers
AC500 , TB5600-2ETH-XC	Programmable Controllers
AC500 , TB5610-2ETH	Programmable Controllers
AC500 , TB5610-2ETH-XC	Programmable Controllers

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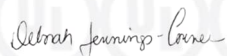
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AC500 , TB5620-2ETH	Programmable Controllers
AC500 , TB5620-2ETH-XC	Programmable Controllers
AC500 , TB5640-2ETH	Programmable Controllers
AC500 , TB5640-2ETH-XC	Programmable Controllers
AC500 , TB5660-2ETH	Programmable Controllers
AC500 , TB5660-2ETH-XC	Programmable Controllers
CMS Series , TF501	Programmable controllers, open type
CMS Series , TF521	Programmable controllers, open type
TK 701F - Programming cables	Accessories
TK501 - Programming cables	Accessories
TK502 - Programming cables	Accessories
TU507-ETH	Programmable controllers, open type
TU508-ETH	Programmable controllers, open type
AC500 , TU516-H	Class I, Div 2, Groups A, B, C and D, Programmable controllers, Terminal Units
AC500 , TU532-H	Class I, Div 2, Groups A, B, C and D, Programmable controllers, Terminal Units
AC500 , TU542, may be followed by -XC	Terminal base modules
AC500 , TU542-H	Class I, Div 2, Groups A, B, C and D, Programmable controllers, Terminal Units


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Issued to: ABB AG
Eppelheimer Str 82
Heidelberg, Baden-Wurttemberg 69123
Germany

This is to certify that representative samples of NRAG7 - Programmable Controllers for Use in Hazardous Locations Certified for Canada
See Addendum Page for Product Designation(s).

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

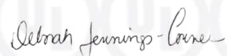
Standard(s) for Safety: CSA C22.2 NO. 213-17, 3rd Ed., Issue Date: 2017-09-15, Revision Date: 2019-08-26

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AC500 may be followed by -XC, consisting of Termin, al base models TB511-ARCNET, TB511-ETH, TB 711F, TB521-ARCNET, TB521-ETH, TB541-ARCNET, TB541-ETH, Terminal unit models TU505, TU 705F, TU506, TU510, TU 710F, TU 706F, TU515, TU 715F, TU516, TU520-ETH, TU531, TU532, TU552-CS31, TU551-CS31, TU582-S, TU518, TU509, TU 709F, TU517, TU 716F, TU 731F, TU 732F, and listed accessories for use with AC500/S500 series, all may be followed by -XC.	Programmable controllers, open type
AC522	Analog input/output modules
AI 723F	Analog input/output modules
AI 731F	Analog input/output modules
AI523	Analog input/output modules
AI531	Analog input/output modules
AI581-S	Analog input/output modules
AO 723F	Analog input/output modules
AO523	Analog input/output modules
AX 721F	Analog input/output modules
AX 722F	Analog input/output modules
AX521	Analog input/output modules
AX522	Analog input/output modules
CD 722F	Digital input/output modules
CD522	Digital input/output modules
CI 741-F	Analog and digital input/output modules
CI501-PNIO	Analog and digital input/output modules
CI502-PNIO	Digital input/output modules
CI504-PNIO	Decentral communication modules
CI506-PNIO	Decentral communication modules
CI511-ETHCAT	Analog and digital input/output modules
CI512-ETHCAT	Digital input/output modules
CI521-MODTCP	Analog and digital input/output modules
CI522-MODTCP	Digital input/output modules
CI541-DP	Analog and digital input/output modules
CI542-DP	Digital input/output modules
CI581-CN	Analog and digital input/output modules
CI582-CN	Digital input/output modules
CI590-CS31	Decentral I/O modules
CI592-CS31	Analog and digital input/output modules

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CM 772F	Communication coupler modules
CM550-DDCS	Programmable Controllers for Use in HazLoc
Communication Modules, CM5610-2RS	Programmable Controllers
Communication Modules, CM5610-2RS-XC	Programmable Controllers
Communication Modules, CM5640-2ETH	Programmable Controllers
Communication Modules, CM5640-2ETH-XC	Programmable Controllers
CM572-DP	Communication coupler modules
CM574-RCOM	Communication coupler modules
CM574-RS	Communication coupler modules
CM575-DN	Communication coupler modules
CM577-ETH	Communication coupler modules
CM578-CN	Communication coupler modules
CM579-ETHCAT	Communication coupler modules
CM579-PNIO	Communication coupler modules
CM582-DP	Communication coupler modules
CM588-CN	Communication coupler modules
CM589-PNIO	Communication coupler modules
CM589-PNIO-x, x may be followed by additional digits.	Communication coupler modules
CM592-DP	Communication coupler modules
CM597-ETH	Communication coupler modules
CM598-CN	Communication coupler modules
DA 701F	Digital input/output modules
DA501	Digital input/output modules
DA502	Digital input/output modules
DC 705F	Decentral I/O modules
DC 722F	Digital input/output modules
DC 723F	Digital input/output modules
DC 732F	Digital input/output modules
DC505-FBP	Decentral I/O modules
DC522	Digital input/output modules
DC523	Digital input/output modules
DC532	Digital input/output modules
DC541-CM	Digital input/output modules
DC551-08L1	Decentral I/O modules
DC551-CS31	Decentral I/O modules
DI 724F	Digital input modules
DI524	Digital input modules
DI581-S	Digital input modules
DO524	Digital output modules
AC500, DO526, may be followed by -XC	Digital output modules
DX 722F	Digital input/output modules
DX 731F	Digital input/output modules
DX522	Digital input/output modules
DX531	Digital input/output modules

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DX581-S	Digital input/output modules
CMS Series , FM502-CMS	Programmable controllers, open type
MC502 - SD Memory card	Accessories
AC500 , PM5630-2ETH	Programmable Controllers
AC500 , PM5630-2ETH-XC	Programmable Controllers
AC500 , PM5650-2ETH	Programmable Controllers
AC500 , PM5650-2ETH-XC	Programmable Controllers
AC500 , PM5670-2ETH	Programmable Controllers
AC500 , PM5670-2ETH-XC	Programmable Controllers
AC500 , PM5675-2ETH	Programmable Controllers
AC500 , PM5675-2ETH -XC	Programmable Controllers
PM571 may be followed by ETH or ARCNET, PM581, PM, 783F, PM582, may be followed by -ARCNET or -ETH, EC581-ARCNET, PM590, may be followed by -ARCNET or -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, EC583, may be followed by -ETH or -ARCNET, BCU06-ETH, SM560-S.	CPU units
PM572 may be followed by ETH or ARCNET, PM581, PM, 783F, PM582, may be followed by -ARCNET or -ETH, EC581-ARCNET, PM590, may be followed by -ARCNET or -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, EC583, may be followed by -ETH or -ARCNET, BCU06-ETH, SM560-S.	CPU units
PM573 may be followed by ETH or ARCNET, PM581, PM, 783F, PM582, may be followed by -ARCNET or -ETH, EC581-ARCNET, PM590, may be followed by -ARCNET or -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, EC583, may be followed by -ETH or -ARCNET, BCU06-ETH, SM560-S.	CPU units
SM560 S FD1 may be followed by XC	NRAG
SM560-S-FD4 may be followed by -XC	NRAG
TA521 - Lithium battery	Accessories
TA523 - Pluggable marker holder	Accessories
TA524 - Dummy coupler module	Accessories
TA525 - Plastic markers	Accessories
TA526 - Wall mounting accessory	Accessories
AC500 , TB5600-2ETH	Programmable Controllers
AC500 , TB5600-2ETH-XC	Programmable Controllers
AC500 , TB5610-2ETH	Programmable Controllers
AC500 , TB5610-2ETH-XC	Programmable Controllers

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AC500 , TB5620-2ETH	Programmable Controllers
AC500 , TB5620-2ETH-XC	Programmable Controllers
AC500 , TB5640-2ETH	Programmable Controllers
AC500 , TB5640-2ETH-XC	Programmable Controllers
AC500 , TB5660-2ETH	Programmable Controllers
AC500 , TB5660-2ETH-XC	Programmable Controllers
CMS Series , TF501	Programmable controllers, open type
CMS Series , TF521	Programmable controllers, open type
TK 701F - Programming cables	Accessories
TK501 - Programming cables	Accessories
TK502 - Programming cables	Accessories
TU507-ETH	Programmable controllers, open type
TU508-ETH	Programmable controllers, open type
AC500 , TU516-H	Class I, Div 2, Groups A, B, C and D, Programmable controllers, Terminal Units
AC500 , TU532-H	Class I, Div 2, Groups A, B, C and D, Programmable controllers, Terminal Units
AC500 , TU542, may be followed by -XC	Terminal base modules
AC500 , TU542-H	Class I, Div 2, Groups A, B, C and D, Programmable controllers, Terminal Units

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