This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: ABB S.p.A.
Address: Via Vaccani, 4
22016 Tremezzina (CO)
Country: ITALY
Contact: Mr. Walter Volo
Phone: +39 0344 58243
FAX: —
Email: walter.volo@it.abb.com

Manufacturer: ABB S.p.A.
Address: Via Vaccani, 4
22016 Tremezzina (CO)
Country: ITALY
Contact: Mr. Walter Volo
Phone: +39 0344 58243
FAX: —
Email: walter.volo@it.abb.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Udine
Control Number: 5009112

Authorized by: [Signature]
Ulla-Pia Johansson-Nilsson
for Dean Davidson, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667  Fax 312-283-1672
Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements [UL 61010-1:2012 Ed.3+R:29Apr2016]

Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements (R2017) [CSA C22.2#61010-1-12:2012 Ed.3+U1;U2]

UL 60079-0 Issued: 2013/07/26 Ed: 6 Explosive Atmospheres - Part 0: Equipment - General Requirements

Explosive Atmospheres - Part 0: Equipment - General Requirements [CSA C22.2#60079-0:2015 Ed.3]


Explosive Atmospheres - Part 1: Equipment Protection By Flameproof Enclosures "D" [CSA C22.2#60079-1:2016 Ed.3]

Standard(s):
Explosive Atmospheres - Part 11: Equipment Protection By Intrinsic Safety 'I' [UL 60079-11:2013 Ed.6]

CSA C22.2#60079-11 Issued: 2014/02/01 Electrical Apparatus for Explosive Gas Atmospheres Part 11: Intrinsic Safety

Explosive Atmospheres - Part 15: Equipment Protection By Type Of Protection 'N' [UL 60079-15:2013 Ed.4 +R:02Aug2013]

Explosive Atmospheres — Part 15: Equipment Protection By Type Of Protection "N" [CSA C22.2#60079-15:2016 Ed.2]

Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection By Enclosure "T" [UL 60079-31:2015 Ed.2]

Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection By Enclosure "T" [CSA C22.2#60079-31:2015 Ed.2]
Measurement field indicator for Hazardous location use in:
For US:
CL I, Zone 0 AEx ia IIC T6...T4 Ga
CL I, Div 1 GP ABCD T6...T4
CL II, Div 1 GP EFG T6...T4
When connected per DWG DH3260.
or
CL I, Div 2 GP ABCD T6...T4
CL II, Div 2 GP FG T6...T4
CL I, Zone 1 AEx d IIC T6...T4 Gb
or
CL I, Zone 2 AEx na IIC T6...T4 Gc
CL I, Div 2 GP ABCD T6...T4
or
CL I, Div 2 GP ABCD T6...T4
CL I, Zone 2 AEx ic IIC T6...T4 Gc
When connected per DWG DH3260.
or
CL II Div 1 GP EFG T6...T4
Zone 20 AEx ta IIC T85°C...T135°C Da

For Canada:
Ex ia IIC T6...T4 Ga
Ex ia IIC T85°C...T135°C Da
When connected per DWG DH3260.
or
Ex d IIC T6...T4 Gb
Ex tb IIC T85°C...T135°C Db
or
Ex nA IIC T6...T4 Gc
or
Ex ic IIC T6...T4 Gc
When connected per DWG DH3260
or
Ex ta IIC Tx Da IP67

with the following maximum surface temperature depending by the ambient temperature. The equipment is suitable for -50°C if, when installed, it is protected against impacts.

<table>
<thead>
<tr>
<th>ETL Approval</th>
<th>Type of protection</th>
<th>TA/T315</th>
<th>TA/T615</th>
<th>TA/T900</th>
<th>TA/T185</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>CL, Zone 0 AEx ia IIC T6...T4 Ga&lt;br&gt;CL, Div 1 GP ABCD T6...T4&lt;br&gt;CL, Div 1 GP EFG T6...T4&lt;br&gt;When connected per DWG DH3260</td>
<td>-45°C ≤ TA ≤ +65°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;2.73 W</td>
<td>-40°C ≤ TA ≤ +70°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
<td>-40°C ≤ TA ≤ +70°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
<td>-40°C ≤ TA ≤ +70°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
</tr>
<tr>
<td>Canada</td>
<td>Ex ia IIC T6...T4 Ga&lt;br&gt;Ex ia IIC T85°C...T135°C Da&lt;br&gt;When connected per DWG DH3260</td>
<td>-45°C ≤ TA ≤ +65°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;2.73 W</td>
<td>-50°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
<td>-50°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
<td>-50°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
</tr>
<tr>
<td>US</td>
<td>CL, Div 2 GP ABCD T6...T4&lt;br&gt;CL, Div 2 GP FG T6...T4&lt;br&gt;CL, Zone 1 AEx ic IIC T6...T4 Gb&lt;br&gt;When connected per DWG DH3260</td>
<td>-45°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;2.73 W</td>
<td>N/A</td>
<td>-40°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
<td>-40°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
</tr>
<tr>
<td>Canada</td>
<td>Ex ta IIC T6...T4 Gb&lt;br&gt;Ex ta IIC T85°C...T135°C Da&lt;br&gt;When connected per DWG DH3260</td>
<td>-45°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;2.73 W</td>
<td>N/A</td>
<td>-40°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
<td>-40°C ≤ TA ≤ +75°C&lt;br&gt;530 µA&lt;br&gt;50 ma&lt;br&gt;1 W</td>
</tr>
</tbody>
</table>

*The upper limitation is applicable only if the equipment is used only with the type of protection CL I, Div 1 GP ABCD T6...T4 and Zone 20 AEx ta IIC T85°C...T135°C Da for US and Ex nA IIC T6...T4 Gc IP67 for Canada.
# AUTHORIZATION TO MARK

<table>
<thead>
<tr>
<th>Brand Name:</th>
<th>ABB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Models:</td>
<td>JDF200 followed by A, B, S, T, C or D; followed by 7; followed by L1; followed by E5, EU, EV, EJ, EK or EL; followed by M; followed by any number from 1 to 9 or any letter from a to z; followed by T; followed by any number from 1 to 9 or any letter from a to z; may be followed by I1, I2 or I3; followed by NB or NC; followed by C; followed by any number from 1 to 9 or any letter from a to z; followed by Z1</td>
</tr>
</tbody>
</table>