



Danfoss MBS 5100 Pressure Transmitters Installation Guide

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Installation guide
Pressure transmitters
MBS 5100, MBS 5103, MBS 5150, MBS 5153
060R9349

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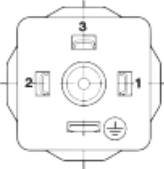

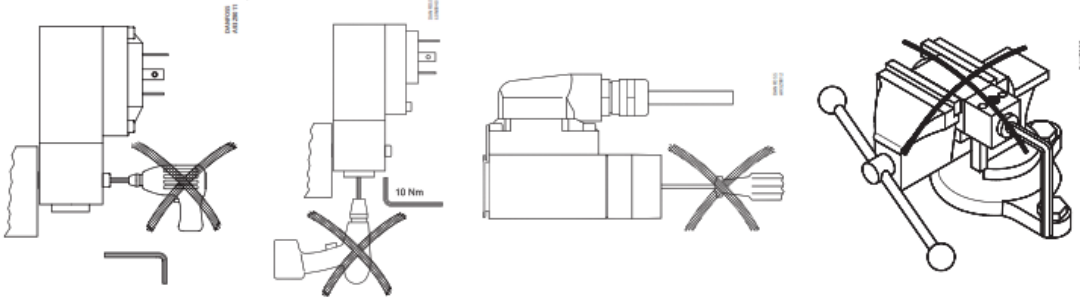

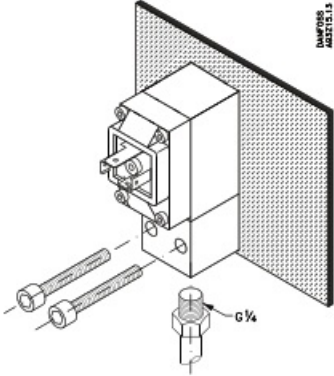
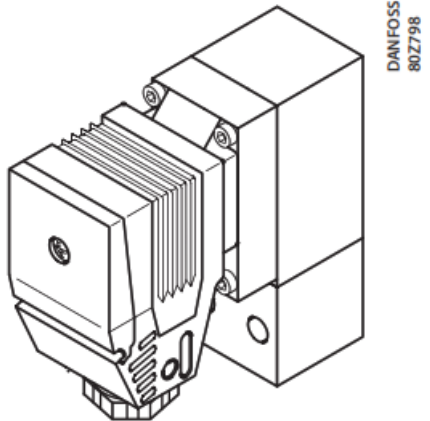

2 American and Canadian approvals:

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MBS 5100 Pressure Transmitters

 	Electrical connection:
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	<p>EN 175301-803</p> 
	
	 <p>Thread</p>
	<p>MBS 5100/5103, MBS 5150/5153</p> 
	<p>Normal</p> <p>ATEX Zone 2</p>



Australian approvals: According to N1297.

American and Canadian approvals:

1. Automatic electrical controls acc. to UL 60730-1 and part 2-6 / CAN/CSA E60730 and part 2-6, file E31024.
2. Equipment for process measurement and control acc. to UL 61010-1 / CSA C22.2 No. 61010-12, file E494625.
3. Nonincendive electrical equipment for use in Class I, Div. 2, Groups A, B, C, and D, hazardous locations in acc. To UL 121201 / C22.2 No. CSA-213, file E227388 and E510763. Combinations of equipment in systems are subject to investigation by the local Authority Having Jurisdiction at the time of installation. These components are to be installed within a suitable tool-secured enclosure in end application. **WARNING – EXPLOSION HAZARD –** Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.
4. The MWP (max. working pressure) in the range from 1 to 600 bar depending on the sensor range. Refer to product label (E494625).
5. Evaluated for pollution Degree 3.
6. Altitude up to 8,000 m.
7. Max. R.H. 95% non-condensing.
8. Overvoltage category I.
9. Powered by class 2 supply.

Type	MBS 5100, MBS 5103, MBS 5150, MBS 5153
Max. ambient temperature/(T-code)	85 °C to 135 °C (T4)
Electrical connectors	For UL approved see overview page 1
Voltage supply	+9 to 32 V DC
Output	4 – 20 mA



ATEX

ZONE 2


  II 3G Ex ec IIA T3 Gc -20 °C < Ta < + 55 °C	EN60079-0; EN60079-7
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Applicable in ATEX Zone 2 with media classified as IIA in accordance to EN 60079-20-1:
All electrical connections must comply with the ATEX requirements for Zone 2 – and EN 60079-14.

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Documents / Resources

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