

Installation Guide

Pressure Transmitters

MBS 33, MBS 33M, MBS 3000, MBS 3050, MBS 3200, MBS 3250, MBS 3300,
MBS 3350, MBS 4000, MBS 4003, MBS 4010

060R9348

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	<p>Elektrisk tilslutning Electrical connection: Elektrischer Anschluss: Raccordement électrique: Conexión eléctrica: Connessione elettrica:</p> <p>Se produktskilt See product label Siehe Produktschild Voir étiquette du produit Ver la pegatina en el producto Vedi etichetta sulla confezione</p> <p>Omgivelsestemperatur Ambient temperature Umgebungstemperatur Température ambiante Temperatura ambiente Temperatura ambiente</p>							
	<p>EN 175301-803</p>	<p>Screened cable or Flying leads (wire)</p>	<p>AMP Econoseal J series, male</p>	<p>ISO 15170 Bayonet</p>	<p>EN60947-5-2 M12 x 1 (4-pin)</p>	<p>Metri Pack</p>	<p>Amphenol 6-pin</p>	<p>Lumberg RS 20-03 (on cable)</p>
<p>4-20 mA: -40 – 100 °C Voltage: -40 – 114 °C Ratiom. 10-90%: -40 – 114 °C</p>	<p>4-20 mA -30 – 85 °C Voltage: -30 – 85 °C Ratiom. 10-90%: -30 – 85 °C</p>	<p>4-20 mA: -30 – 100 °C Voltage: -30 – 105 °C Ratiom. 10-90%: -30 – 105 °C</p>	<p>4-20 mA: -40 – 100 °C Voltage: -40 – 125 °C Ratiom. 10-90%: -40 – 125 °C</p>	<p>4-20 mA: -25 – 90 °C Voltage: -25 – 90 °C Ratiom. 10-90%: -25 – 90 °C</p>	<p>4-20 mA: -40 – 100 °C Voltage: -40 – 125 °C Ratiom. 10-90%: -40 – 125 °C</p>	<p>4-20 mA: -30 – 100 °C Voltage: -30 – 100 °C Ratiom. 10-90%: -30 – 100 °C</p>	<p>4-20 mA: -30 – 90 °C Voltage: -30 – 90 °C Ratiom. 10-90%: -30 – 90 °C</p>	
<p>AMP superseal 1.5 series (on cable)</p>	<p>Deutsch DT04-3p (on wire)</p>	<p>Deutsch DT04-4p</p>	<p>Universal Mate-N-Lock (on wire)</p>	<p>AMP Econoseal (AMP 173065) (on wire)</p>	<p>Molex 5527-2p (on wire)</p>	<p>ITT cannon sure seal ss 2-p (on cable)</p>	<p>ITT cannon circular (on cable)</p>	
<p>4-20 mA/Voltage/ Ratiometric 10-90%: -30 – 100 °C</p>	<p>4-20 mA/Voltage/ Ratiometric 10-90%: -30 – 100 °C</p>	<p>All outputs: On wire: -30 – 100 °C On cable: -30 – 85 °C</p>	<p>4-20 mA/Voltage/ Ratiometric 10-90%: -30 – 100 °C</p>	<p>4-20 mA/Voltage/ Ratiometric 10-90%: -30 – 105 °C</p>	<p>4-20 mA: -40 – 100 °C Voltage/Ratiometric 10-90%: -40 – 114 °C</p>	<p>4-20 mA/Voltage/ Ratiometric 10-90%: -30 – 80 °C</p>	<p>4-20 mA/Voltage/ Ratiometric 10-90%: -30 – 100 °C</p>	
<p>IEC 947-5-2, M12 x 1 (5-pin)</p> <p>Pin 5: Forbundet til kapsling Connected to enclosure Anschluss an Gehäuse Connecté au boîtier Conectado a la cubierta Collegato al corpo</p>	<p>MBS 33, MBS 33M, MBS 3000, MBS 3200, MBS 3300, MBS 4000</p>	<p>MBS 3050, MBS 3250, MBS 3350, MBS 4050</p>	<p>MBS 4010</p>					
	<p>MBS 3300, MBS 3350</p> <p>10 Nm</p>							
	<p>MBS 4010</p> <p>DANFOSS A6CG204.10</p> <p>DANFOSS A6CG203.10</p>							

		<p>Australian approvals: According to N1297.</p> <p>American and Canadian approvals:</p> <ol style="list-style-type: none"> Automatic electrical controls acc. to UL 60730-1 and part 2-6 / CAN/CSA E60730 and part 2-6, file E31024. Equipment for process measurement and control acc. to UL 61010-1 / CSA C22.2 No. 61010-12, file E494625. 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. The MWP 600 bar (max. working pressure) (E494625). Evaluated for pollution Degree 3. Altitude up to 8,000 m. Max. R.H. 95% non-condensing. Overvoltage category I. <table border="1" data-bbox="384 539 1479 674"> <tr> <td>Type</td> <td>MBS 33, MBS 33M MBS 3000/3050, MBS 4000, MBS 4003, MBS 4010</td> <td>MBS 3200/3250, MBS 3300/3350</td> </tr> <tr> <td>Max. ambient temperature</td> <td>85 °C / 185 °F</td> <td>125 °C / 257 °F</td> </tr> <tr> <td>Electrical connectors</td> <td colspan="2">For UL approved see overview page 1</td> </tr> </table>	Type	MBS 33, MBS 33M MBS 3000/3050, MBS 4000, MBS 4003, MBS 4010	MBS 3200/3250, MBS 3300/3350	Max. ambient temperature	85 °C / 185 °F	125 °C / 257 °F	Electrical connectors	For UL approved see overview page 1	
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Max. ambient temperature	85 °C / 185 °F	125 °C / 257 °F									
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	<p>ATEX ZONE 2</p>	<p>Applicable in ATEX Zone 2 with medias classified as IIA in accordance to EN 60079-20-1:</p> <table border="1" data-bbox="384 734 1479 887"> <tr> <td style="text-align: center;"> <p>Ex nA II T3 Gc -10 °C < Ta < + 85 °C</p> </td> <td style="text-align: center;"> <p>EN60079-0; EN60079-15</p> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <p>Applicable in Zone 2 electrical connectors see overview page 1.</p> </td> </tr> </table> <p>Alle elektriske tilslutninger skal udføres iht. ATEX Zone 2 regulativet - samt EN 60079-14. All electrical connections must comply with the ATEX requirements for Zone 2 - and EN 60079-14. Alle elektrischen Anschlüsse müssen gemäß ATEX Zone2 Regeln und EN 60079-14 durchgeführt werden. Tous les raccordements électriques doivent être effectués conformément aux règles ATEX zone 2 et EN 60079-14. Todas las conexiones eléctricas deben ser realizadas de acuerdo a los requerimientos de la normativa ATEX zona 2 y EN 60079-14. Tutti i collegamenti elettrici devono essere eseguiti secondo le normative ATEX Zone e EN 60079-14.</p> <p>Ved anvendelser i ATEX Zone 2 områder ved temperaturer <-10 °C skal kabel og stik beskyttes mod slag. When used in ATEX Zone2 areas at temperatures <-10 °C the cable and plug must be protected against impact. Wenn in ATEX Zone 2 bei Temperaturen <-10 °C verwendet werden, müssen die Kabel und Stecker gegen Stöße geschützt werden. Lorsqu'ils sont utilisés en zone 2 ATEX à des températures <-10 °C, le câble et le connecteur doivent être protégés contre les chocs. Cuando se usa en áreas ATEX Zona 2, a temperaturas <-10 °C, el cable y conector deben protegerse contra impactos. Per l'uso in ATEX Zona 2 a temperature <-10 °C, il cavo ed il connettore devono essere protetti contro gli urti.</p>	<p>Ex nA II T3 Gc -10 °C < Ta < + 85 °C</p>	<p>EN60079-0; EN60079-15</p>	<p>Applicable in Zone 2 electrical connectors see overview page 1.</p>						
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