

Installation guide

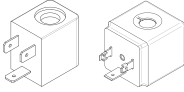
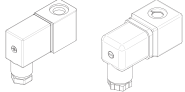
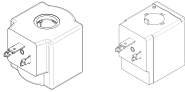
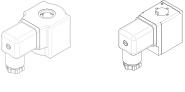
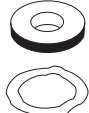
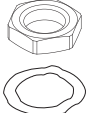
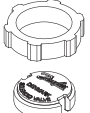


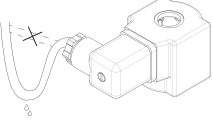
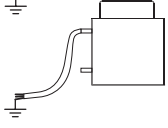
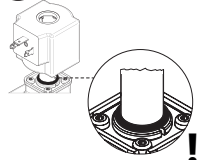
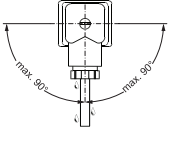
Solenoid coil

Type AB, AM, AC, AK, AL, AP, BB, BA, BC and BD

UK
CA

042R9019

042R9019

| | | | | | |
|---|---|--|--|--|--|
| <p>A</p>  <p>IP00/PD3 Spade</p> | <p>A - Coils</p>  <p>+ (A) / (C) = IP65/PD3 Cable plug</p> | | <p>B</p>  <p>IP00/PD3 Spade</p> | <p>B - Coils</p>  <p>+ (B) / (E) = IP65/PD3 + (B) = IP67/PD4 Cable plug</p> | |
| <p>A1</p>  | <p>A2</p>  | <p>B1</p>  | <p>B2</p>  | <p>B3</p>  | |
| <p>1</p>  <p><input checked="" type="checkbox"/></p> | <p>2</p>  <p><input checked="" type="checkbox"/></p> | | <p>3</p>  <p><input checked="" type="checkbox"/></p> | <p>4</p>  <p><input checked="" type="checkbox"/></p> | |

| | | |
|-------------------------------|--|--|
| Type of control | 1 | |
| Class of protection | Class I | |
| Ambient temperature | See T _{ambient} on coil | |
| Voltage variation | For voltage variation, see print on coil | |
| Voltage tolerances | For voltage tolerances see datasheet, when ordering the coil | |
| Humidity | Only non-conductive pollution occurs except that occasionally a temporary conductivity caused by condensation is to be expected. | |
| Ball pressure test | 200 °C (392 °F) in accordance to IEC 60695-10-2 | |
| Impulse withstand voltage | Spade | 4.0 kV at altitude <4000 m (13123 ft) |
| | Plug | 4.0 kV at altitude <2000 m (6561 ft) |
| | Plug | 3.1 kV 2000 m <altitude <4000 m (6561 <altitude <13123 ft) |
| Overvoltage category | III | |
| Degree of protection IPxx | Enclosure rating according to IEC standard 60529 (See illustration for details A-B) | |
| Pollution degree PDX | Pollution degree according to EN60664-1 (See illustration for details A-B) | |
| Installation | Integrated control | |
| | Incorporated control | |
| | Independently mounted control (IP65/IP67) | |
| Suitable cable, | ø6.6 – ø11 mm (ø0.26 – ø0.43 in) | |
| Conductor size for plug | 0.75 – 1.5 mm ² (21 – 15 AWG flexible cord) | |
| Suitable cable for cable plug | See datasheet when ordering the coil | |
| Cable conductor size | 3 x 0.75 mm ² (3 x 0.001 in ²) | |
| Plugs can be removed/mounted | 10 times | |
| Surface temperature | Independently mounted controls must be inaccessible in normal use if the surface temperature on the control > 85°C | |

- Only qualified personnel is allowed to install or maintain this product
- Disconnect the power when dismantling the coil
- Avoid direct exposure to alkaline conditions, use in neutral conditions is recommended
- Ensure that the O-ring is in place on the valve
- If the coil is used as independently mounted control, the end-user shall use a plastic cable gland with strain relief

Info for UK customers only: Danfoss Ltd. Oxford Road, UB9 4LH Denham, UK

| | | | |
|---|---|---|---|
| <p>5</p> | <p>6</p> | <p>7</p> <p>40 - 50 Ncm (0.30 - 0.39 lb-ft)</p> | <p>8</p> <p>90°</p> |
| <p>9</p> <p>250 - 375 Ncm (1.85 - 2.77 lb-ft)</p> | <p>10</p> <p>50 - 60 Ncm (0.39 - 0.44 lb-ft)</p> | <p>A1</p> | <p>(1-A1)</p> <p>1.25 ± 0.15 Nm (0.92 ± 0.11 lb-ft)</p> |
| <p>A2</p> | <p>(1-A2)</p> <p>1.25 ± 0.15 Nm (0.92 ± 0.11 lb-ft)</p> | <p>B1</p> | <p>(1-B1)</p> <p>0.7 ± 0.1 Nm (0.52 ± 0.07 lb-ft)</p> |
| <p>B2</p> | <p>(1-B2)</p> <p>1.0 ± 0.15 Nm (0.74 ± 0.11 lb-ft)</p> | <p>B3</p> | <p>(1-B3)</p> <p>1.5 ± 0.15 Nm (1.11 ± 0.11 lb-ft)</p> |

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