



Danfoss AB Solenoid Coil Installation Guide

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ENGINEERING TOMORROW
042R9019
Installation guide

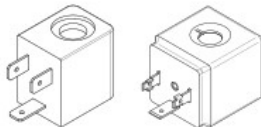
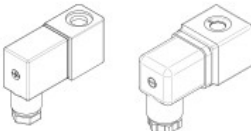
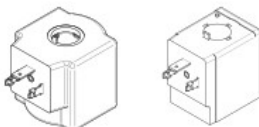
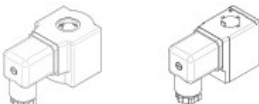



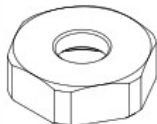

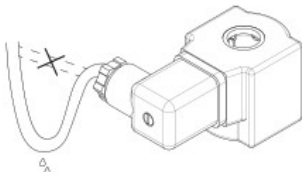
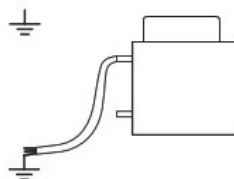
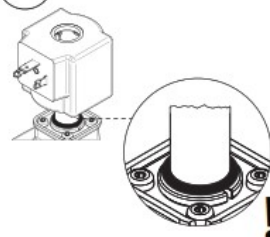
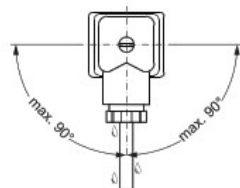


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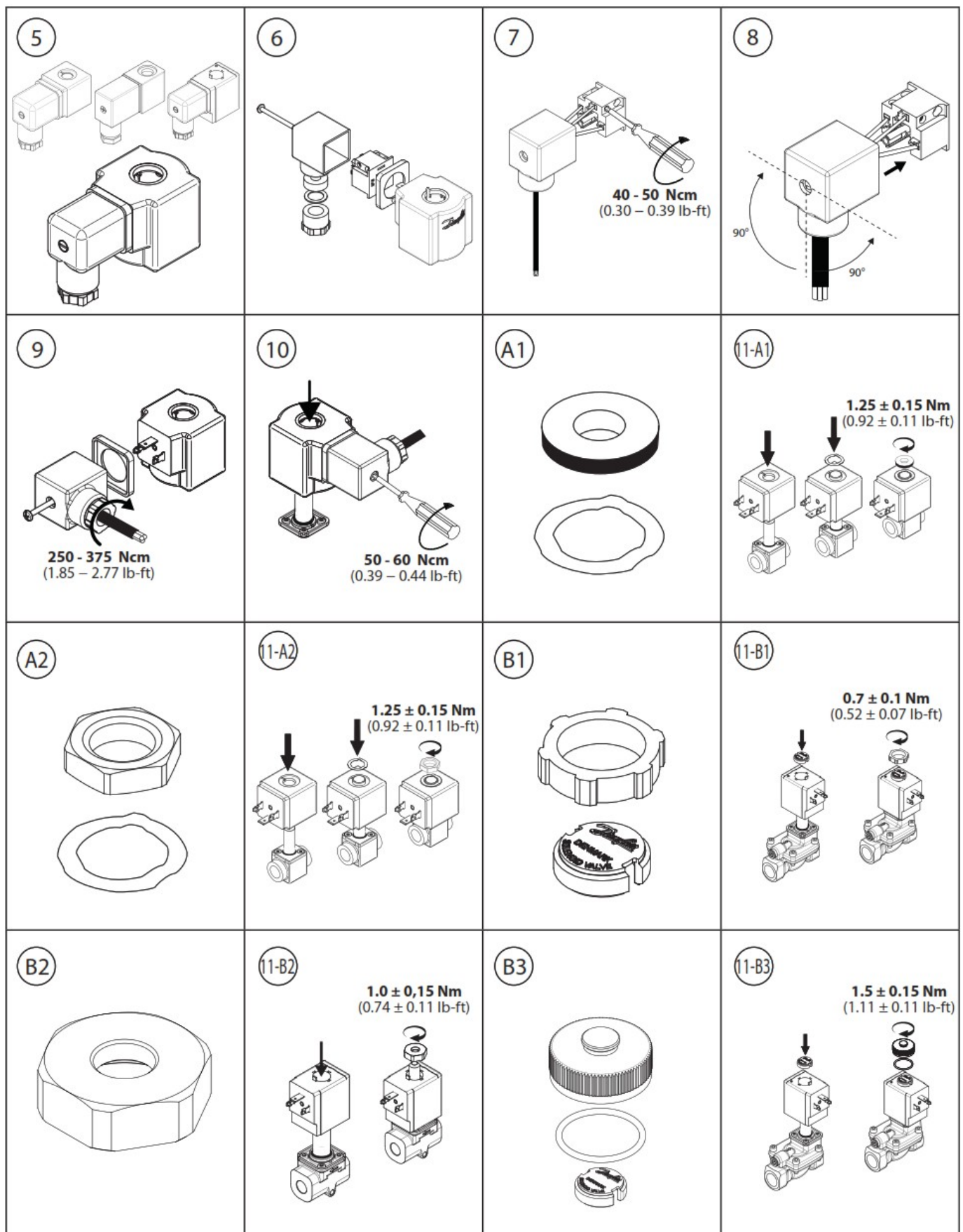
Solenoid coil

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

<div>A</div> <div></div> <div>IP00/PD3 Spade</div>	<div>A - Coils</div> <div></div> <div>+ A1 / A2 = IP65/PD3 Cable plug</div>	<div>B</div> <div></div> <div>IP00/PD3 Spade</div>	<div>B - Coils</div> <div></div> <div>+ B1 / B2 = IP65/PD3 + B3 = IP67/PD4 Cable plug</div>	
<div>A1</div> <div></div>	<div>A2</div> <div></div>	<div>B1</div> <div></div>	<div>B2</div> <div></div>	<div>B3</div> <div></div>
<div>1</div> <div></div> <div>✓</div>	<div>2</div> <div></div> <div>✓</div>	<div>3</div> <div></div> <div>✓</div>	<div>4</div> <div></div> <div>✓</div>	

Type of control	1	
Class of protection	Class I	
Ambient temperature	See Tambient on coil	
Voltage variation Voltage tolerances	For voltage variation, see print on coil For voltage tolerances see datasheet, when ordering the coil	
Humidity	Only none-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 Plug Plug	4.0 kV at altitude <4000 m (13123 ft) 4.0 kV at altitude <2000 m (6561 ft) 3.1 kV 2000 m<altitude<4000 m (6561<altitude<13123 ft)
Overvoltage category	III	
Degree of protection IPxx Pollution degree PDX	Enclosure rating according to IEC standard 60529 (See illustration for details A-B) P ollution degree according to EN60664-1 (See illustration for details A-B)	
Installation	Integrated control Incorporated control Independently mounted control (IP65/IP67)	
Suitable cable, Conductor size for plug	Ø6.6 — Ø11 mm (Ø0.26 — Ø0.43 in) 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



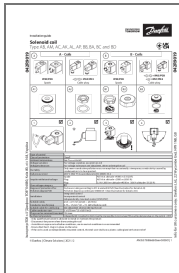
Visit www.products.danfoss.com for further technical data

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AN353730866505en-000301

Info for UK customers only: Danfoss Ltd., 22 Wycombe End, HP9 1NB, GB




Documents / Resources



[Danfoss AB Solenoid Coil](#) [pdf] Installation Guide

AB, AM, AC, AK, AB Solenoid Coil, AB, Solenoid Coil, Coil, AL, AP, BB, BA, BC, BD

References

-  [Danfoss Global Product Store | Homepage](#)
-  [Danfoss Spain Product Store | Homepage](#)
-  [Danfoss France Product Store | Homepage](#)

[Manuals+](#).