

Data sheet

Coils for solenoid valves (ATEX) Type BV



ATEX approved coils is a range of coils for use in EX zone 2. The coils are suitable for the Danfoss solenoid valve range and cover the standard voltage and frequency used in the market.

Features

- ATEX approved for use in EX zone 2
- Embedded coils with long lifetime - even under extreme conditons
- Available with 1 m 3-core cable
- Safe mounting with screw-on system
- Standard coils from 24 V to 240 V a.c.
- Standard coils dimensioned to max. opening differential pressure (MOPD) up to 21 bar for a.c.

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Approval

Ex nA IIB T4 Gc
EN 60079-0 and EN 60079-15

Technical data

Ambient temperature

- 11 W, 50 Hz/60 Hz a.c. coil: -20 °C – +50 °C

Temperature of medium

- max. 100 °C

Enclosure for coil

- IP 65

Permissible voltage variation

- 11 W a.c. coils, 50 Hz: +10 to -15%
- 11 W a.c. coils, 60 Hz: +/- 10%

Polution degree

- 3

Connections

3-core cable

The external thread of the cable entry is suitable for flexible steel hose or similar cable protection



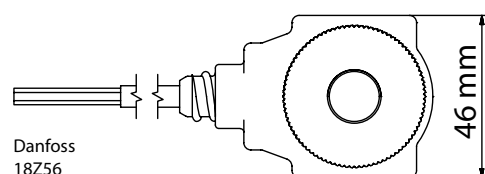
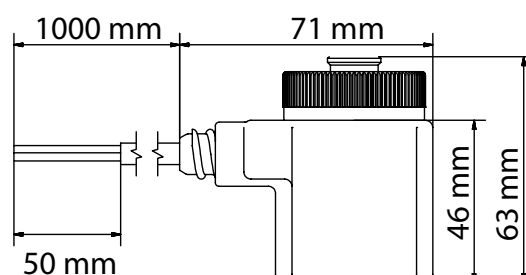
Note:

Always install a fuse ahead of the coil.
It should not exceed 2 A for coils rated less than 50 V and it should not exceed 1 A for coils rated 50 V or more. Time log: Medium.

Ordering

Coil for valve type	Coil type	Voltage V	Frequency Hz	Code no.	Power consumption
				With 1 m cable	
Alternating current a.c.					
EVR 2 – EVR 40 (NC) EVR 6 – EVR 22 (NO) EVRC EVRA/ EVRAT EVR5 / EVRST EVM (NC / NO)	BV024A	24	50	018Z6120	Holding 11 W 21 VA
	BV110A	110	50	018Z6121	
	BV230A	230	50	018Z6122	
	BV240A	240	50	018Z6123	
	BV024B	24	60	018Z6125	Inrush 44 VA
	BV230B	230	60	018Z6127	

Dimensions and weights



Danfoss
18Z56

Weight: 0.5 Kg