



**Features**

- Encapsulated coils with long operating life, even under extreme conditions
- Standard coils for a.c. or d.c.
- Standard coils available with 3-core cable, terminal box or DIN plugs
- Standard coils from 12 V to 420 V, 50, 60 or 50/60 Hz
- Standard coils dimensioned for max. opening differential pressure (MOPD) of up to 21 bar
- Coils can be fitted or removed without the use of tools

**Technical data**

*Ambient temperature*  
 10 or 12 W a.c. coil  
 for NC (normally closed) valve:  
 -40 → +80°C

10 W a.c. coil  
 for NO (normally open) valve:  
 -40 → +55°C

20 W d.c. coil  
 for NC and NO valve:  
 -40 → +50°C

*Permissible voltage variation*  
 10 and 12 W a.c. coils: +10 → -15% and as  
 double frequency coils: ±10%  
 a.c. coils for 220-230 / 380-400 V: +6 → -15%  
 and as double frequency coils: +6 → -10%  
 20 W d.c. coils: ±10%.

*Enclosure*  
 IP 67 with cable or terminal box  
 IP 20 with DIN plugs and protective cap  
 IP 65 with DIN socket  
 IP 00 with DIN plugs.

*Approvals*  
 See under the required solenoid valve.

**Connection**

*3-core cable*  
 The external thread in the screwed cable entry  
 suits flexible steel hose or corresponding cable  
 protection.

*Terminal box*  
 Leads are connected to terminal screws in the  
 terminal box. The box is fitted with a Pg 13.5  
 screwed entry for 6 → 14 mm cable.  
 Max. lead cross section: 2.5 mm<sup>2</sup>.

*DIN plugs*  
 The three pins on the coil can be fitted with  
 spade tabs, 6.3 mm wide (to DIN 46247).  
 The two current carrying pins can also be fitted  
 with spade tabs, 4.8 mm wide.  
 Max. lead cross section: 1.5 mm<sup>2</sup>.  
 Use of the protective cap supplied will prevent  
 inadvertent contact with live parts.

*DIN socket*  
 (to DIN 43650)  
 Leads are connected in the socket. The socket  
 is fitted with a Pg 11 screwed entry for  
 6 → 12 mm.

Ordering

Standard coils

Valve type	Voltage V	Frequency Hz	Code no.		Appendix no. Indicates voltage and frequency	Power consumption
			With DIN plugs IP 00			

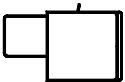
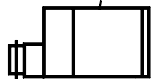
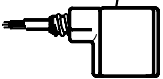
Alternating current a.c.



Valve type	Voltage V	Frequency Hz	Code no.		Appendix no. Indicates voltage and frequency	Power consumption
			With 1 m 3-core cable IP 67	With terminal box IP 67		
EVR 2	24	50		<b>042N7408</b>	16	Holding: 10 W 21 VA  Inrush: 44 VA
	115	50		<b>042N7412</b>	22	
	220-230	50		<b>042N7401</b>	31	
	240	50		<b>042N7402</b>	33	
	380-400	50		<b>042N7404</b>	37	
	420	50		<b>042N7405</b>	38	
	110	50/60		<b>042N7430</b>	21	
220-230	50/60		<b>042N7432</b>	32		

Valve type	Voltage V	Frequency Hz	Code no.			Appendix no. Indicates voltage and frequency	Power consumption
			With 1 m 3-core cable IP 67	With terminal box IP 67	With DIN plugs and protective cap IP 20		

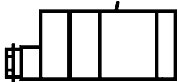
Alternating current a.c.



Valve type	Voltage V	Frequency Hz	Code no.			Appendix no. Indicates voltage and frequency	Power consumption
			With 1 m 3-core cable IP 67	With terminal box IP 67	With DIN plugs and protective cap IP 20		
EVR 3 → 40 (NC)	12	50	<b>018Z6256</b>	<b>018Z6706</b>	<b>018Z6181</b>	15	Holding: 10 W 21 VA  Inrush: 44 VA
EVR 6 → 22 (NO)	24	50	<b>018Z6257</b>	<b>018Z6707</b>	<b>018Z6182</b>	16	
EVRC	42	50	<b>018Z6258</b>	<b>018Z6708</b>	<b>018Z6183</b>	17	
EVRA	48	50	<b>018Z6259</b>	<b>018Z6709</b>	<b>018Z6184</b>	18	
EVRAT	115	50	<b>018Z6261</b>	<b>018Z6711</b>	<b>018Z6186</b>	22	
EVRS / EVRST	220-230	50	<b>018Z6251</b>	<b>018Z6701</b>	<b>018Z6176</b>	31	
PKVD	240	50	<b>018Z6252</b>	<b>018Z6702</b>	<b>018Z6177</b>	33	
EVM (NC)	380-400	50	<b>018Z6253</b>	<b>018Z6703</b>	<b>018Z6178</b>	37	
	420	50	<b>018Z6254</b>	<b>018Z6704</b>	<b>018Z6179</b>	38	
	24	60	<b>018Z6265</b>	<b>018Z6715</b>	<b>018Z6190</b>	14	
	115	60	<b>018Z6260</b>	<b>018Z6710</b>	<b>018Z6185</b>	20	
	220	60	<b>018Z6264</b>	<b>018Z6714</b>	<b>018Z6189</b>	29	
	240	60	<b>018Z6263</b>	<b>018Z6713</b>	<b>018Z6188</b>	30	
	110	50/60	<b>018Z6280</b>	<b>018Z6730</b>	<b>018Z6192</b>	21	
	220-230	50/60	<b>018Z6282</b>	<b>018Z6732</b>	<b>018Z6193</b>	32	

Direct current d.c.

Coil type I



Valve type	Voltage V	Frequency Hz	Code no.			Appendix no. Indicates voltage and frequency	Power consumption
			With 1 m 3-core cable IP 67	With terminal box IP 67	With DIN plugs and protective cap IP 20		
EVR 2 → 15 (NC)	12			<b>018Z6856</b>		01	20 W
EVR 25 → 40 (NC / NO)	24			<b>018Z6857</b>		02	
EVR 6 → 15 (NO)	48			<b>018Z6859</b>		04	
EVRC 10 → 15	110			<b>018Z6860</b>		06	
EVRA 3 → 15 (NC)	115			<b>018Z6861</b>		07	
EVRA 25 → 40 (NC)	220			<b>018Z6851</b>		09	
EVRAT 10 → 15 (NC)							
EVRS / EVRST 3 → 15							
PKVD							
EVM (NC / NO)							

Direct current d.c.

Coil type II

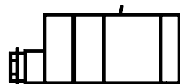
Valve type	Voltage V	Frequency Hz	Code no.			Appendix no. Indicates voltage and frequency	Power consumption
			With 1 m 3-core cable IP 67	With terminal box IP 67	With DIN plugs and protective cap IP 20		
EVR 20 → 22 (NC / NO)	12			<b>018Z6886</b>		01	20 W
EVRC 20	24			<b>018Z6887</b>		02	
EVRA 20	48			<b>018Z6889</b>		04	
EVRAT 20	110			<b>018Z6890</b>		06	
EVRST 20	115			<b>018Z6891</b>		07	
	220			<b>018Z6881</b>		09	

See "Opening differential pressure" under "Technical data" for the valve concerned.

When replacing a coil with terminal box, it is sufficient to change the coil unit itself. Therefore, order coil with DIN plugs and protective cap.

Ordering (continued)

Special coils



Valve type	Voltage V	Frequency Hz	Code no.	Appendix no. Indicates voltage and frequency	Power consumption
			With terminal box IP 67		

Alternating current a.c.

EVR 3 → 40	24	50	<b>018Z6807</b>	16	Holding: 12 W 26 VA  Inrush: 55 VA
EVRC	42	50	<b>018Z6808</b>	17	
EVRA	48	50	<b>018Z6809</b>	18	
EVRAT	110	50	<b>018Z6811</b>	22	
EVRS / EVRST	220-230	50	<b>018Z6801</b>	31	
PKVD	240	50	<b>018Z6802</b>	33	
EVM (NC / NO)	380-400	50	<b>018Z6803</b>	37	
	24	60	<b>018Z6815</b>	14	
	110	60	<b>018Z6813</b>	20	
	220	60	<b>018Z6814</b>	29	

See "Opening differential pressure" under "Technical data" for the valve concerned.

When replacing a coil with terminal box, it is sufficient to change the coil unit itself. Therefore, order coil with DIN plugs and protective cap.



Accessories

Description	Code no.
DIN socket	<b>042N0156</b>
Terminal box with build-in light emitting indicator diode for solenoid valves	<b>018Z0089</b>

Dimensions and weights

See under the required solenoid valve.

**Data sheet**

**UL listed coil,  
type GP**

**Introduction**

With the Danfoss general purpose coils, type GP, for solenoid valves the mounting with a "click-on". Danlok™ makes mounting faster and easier and keeps the coil safely in place.



**Features**

- Easy mounting and dismounting
- No loose parts during operation
- Suitable to all standard solenoid valves
- Available with junction box or conduit boss

**Approvals**

- Ⓛ UL listed with EVR, MH 7648
- Ⓢ CSA certified, SA 52727

**Technical data**

*Enclosure*  
junction box: NEMA 2 ~ IP 12 - 32  
Conduit boss: NEMA 4 ~ IP 54

**Ordering**

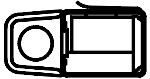
Connection	Cable length in.	Voltage V	Frequency Hz	Code.no	Power consumption
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*Alternating current a.c.*

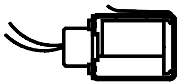
Junction box		120/208-240	50/60	<b>018Z7600</b>	Holding 17.5 W 40 VA	
Junction box		24	50/60	<b>018Z7613</b>		
Junction box		110/120	50/60	<b>018Z7612</b>		
Junction box		208/240	50/60	<b>018Z7611</b>		
Junction box		24	50/60	<b>018Z7613</b>		
Junction box		110/120	50/60	<b>018Z7612</b>		
Junction box		208/240	50/60	<b>018Z7611</b>		
Conduit boss	18	24	50/60	<b>018Z7623</b>		Inrush 76 VA
Conduit boss	18	110/120	50/60	<b>018Z7622</b>		
Conduit boss	18	208/240	50/60	<b>018Z7621</b>		
Conduit boss	18	24	50/60	<b>018Z7623</b>		
Conduit boss	18	110/120	50/60	<b>018Z7622</b>		
Conduit boss	18	208/240	50/60	<b>018Z7621</b>		
Conduit boss	70	110/120	50/60	<b>018Z7628</b>		
Conduit boss	124	110/120	50/60	<b>018Z7627</b>		
Conduit boss	70	24	50/60	<b>018Z7602</b>		
Conduit boss	99	24	60	<b>018Z7626</b>		
Conduit boss	124	115	60	<b>018Z7601</b>		

*Direct current d.c.*

Junction box		120		<b>018Z7603</b>	23W
Conduit boss	99	120		<b>018Z7625</b>	



Junction box



Conduit coil







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