

Technical data and ordering

Ordering

Coils for AKV valves

AKV	AKV	AKV	AKV	AKV	AKV
10-1	10-6	10-7	15-1	20-1	20-4
10-2			15-2	20-2	20-5
10-3			15-3	20-3	
10-4			15-4		
10-5					

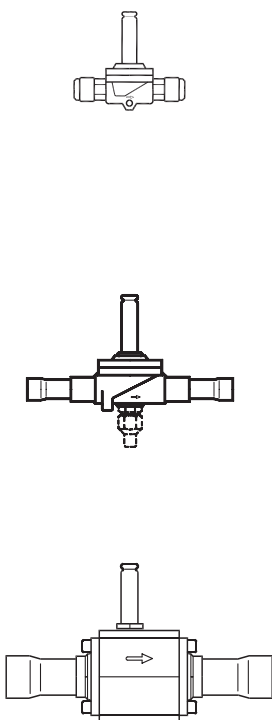
D.C. coils	Code no.						
220 V d.c. 20 W, standard with terminal box	018F6851	+	+	+	+	+	+
100 V d.c. 18 W, special with terminal box with DIN plugs	018F6780	+	+	+	+	+	+
230 V d.c. 18 W, special with terminal box with DIN plugs	018F6781 ¹⁾ 018F6991 ¹⁾	+	+	+	+	+	+
230 V d.c. 18 W, special with 2.5 m cable with 4.0 m cable with 8.0 m cable	018F6288 ¹⁾ 018F6278 ¹⁾ 018F6279 ¹⁾	+	+	+	+	+	+

¹⁾ Recommended for commercial refrigeration plant

A.C. coils	Code no.						
240 V a.c. 10 W, 50 Hz with terminal box with DIN plugs	018F6702 018F6177	+	+	-	+	-	-
240 V a.c. 10 W, 60 Hz with terminal box with DIN plugs	018F6713 018F6188	+	+	-	+	-	-
240 V a.c. 12 W, 50 Hz with terminal box	018F6802	+	+	+	+	+	-
230 V a.c. 10 W, 50 Hz with terminal box with DIN-plugs	018F6701 018F6176	+	+	-	+	-	-
230 V a.c. 10 W, 60 Hz with terminal box with DIN-plugs	018F6714 018F6189	+	+	-	+	-	-
230 V a.c. 10 W, 50/60 Hz with terminal box with DIN-plugs	018F6732 018F6193	+	+	-	+	-	-
230 V a.c. 12 W, 50 Hz with terminal box	018F6801	+	+	-	+	+	-
230 V a.c. 12 W, 60 Hz with terminal box	018F6814	+	+	-	+	+	-
115 V a.c. 10 W, 50 Hz with terminal box with DIN-plugs	018F6711 018F6186	+	+	-	+	-	-
115 V a.c. 10 W, 60 Hz with terminal box with DIN-plugs	018F6710 018F6185	+	+	-	+	-	-
110 V a.c. 12 W, 50 Hz with terminal box	018F6811	+	+	-	+	+	-
110 V a.c. 12 W, 60 Hz with terminal box	018F6813	+	+	-	+	+	-
110 V a.c. 20 W, 50 Hz with terminal box	018Z6904	+	+	+	+	+	+
24 V a.c. 10 W, 50 Hz with terminal box with DIN-plugs	018F6707 018F6182	+	-	-	+	-	-
24 V a.c. 10 W, 60 Hz with terminal box with DIN-plugs	018F6715 018F6190	-	-	-	+	-	-
24 V a.c. 12 W, 50 Hz with terminal box	018F6807	+	-	-	+	+	+
24 V a.c. 12 W, 60 Hz with terminal box	018F6815	+	-	-	+	+	+
24 V a.c. 20 W, 50 Hz with terminal box	018F6901	+	+	+	+	+	+
24 V a.c. 20 W, 60 Hz with terminal box	018F6902	+	+	+	+	+	+

Technical data and ordering

Separate valve bodies, normally closed (NC)

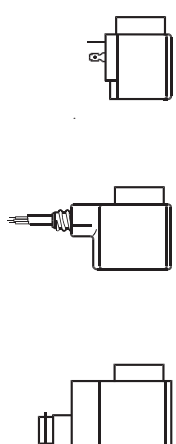


Type	Required coil type	Connection		Code no. Valve body without coil				Max. working pressure bar	k _v value ¹⁾		
		in.	mm	Flare		Solder ODF					
				in./mm	in.	mm	With manual operation			Without manual operation	
EVR 2	a.c.	1/4	6	032F8056	032F1201	032F1202			45.2	0.16	
EVR 3	a.c./d.c.	1/4	6	032F8107	032F1206	032F1207			45.2	0.27	
EVR 6		3/8	10	032F8116	032F1204	032F1208			45.2	0.8	
		3/8	10	032F8072	032F1212	032F1213					
EVR 10		1/2	12	032F8079	032F1209	032F1236			35	1.9	
		1/2	12	032F8095	032F1217	032F1218					
EVR 15		5/8	16	032F8098	032F1214	032F1214			32	2.6	
		5/8	16	032F8101	032F1228	032F1228					
EVR 20		a.c.	5/8	16	032F8100			032F1227		32	5.0
			7/8	22		032F1225	032F1225				
		7/8	22		032F1240	032F1240		032F1254			
	1 1/8	28		032F1244	032F1245						
d.c.	7/8	22		032F1264	032F1264			032F1274			
	7/8	22									
EVR 22	a.c.	1 3/8	35		032F3267	032F3267			32	6.0	
EVR 25	a.c./d.c.	1 1/8					032F2200	032F2201	32	10.0	
			28				032F2205	032F2206			
		1 3/8	35				032F2207	032F2208			
EVR 32		1 3/8	35				042H1105	042H1106	32	16.0	
		1 5/8					042H1103	042H1104			
EVR 40			42				042H1107	042H1108	32	25.0	
		1 5/8					042H1109	042H1110			
			42				042H1113	042H1114			
		2 1/8	54				042H1111	042H1112			
EVRH 10			1/2	12		032G1054	032G1055			45.2	1.9
EVRH 15		5/8	16		032G1056	032G1056				2.6	
EVRH 20	a.c.	7/8	22		032G1057	032G1057				5.0	
EVRH 20	d.c.	7/8	22		032G1058	032G1058				5.0	

Mounting bracket

Mounting bracket	For mounting EVR 2, 3, 6 and 10	032F0197
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Coils - alternating current a.c



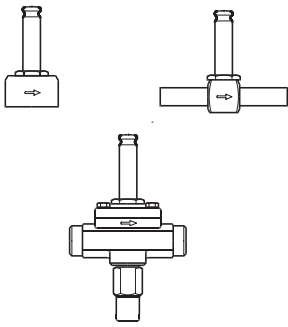
Type	Voltage V	Frequency Hz	Code no.				Appendix no.	Power consumption
			With 1 m 3-core cable IP67	With terminal box IP67	With DIN plugs and protective cap IP20	With DIN plugs		
EVR 2 → 40 (NC)	12	50	018F6256	018F6706	018F6181		15	Holding: 10 W 21 VA Inrush: 44 VA
	24	50	018F6257	018F6707	018F6182	018F7358	16	
	42	50	018F6258	018F6708	018F6183		17	
	48	50	018F6259	018F6709	018F6184		18	
	115	50	018F6261	018F6711	018F6186	018F7361	22	
	220-230	50	018F6251	018F6701	018F6176	018F7351	31	
	240	50	018F6252	018F6702	018F6177	018F7352	33	
	380-400	50	018F6253	018F6703	018F6178		37	
	420	50	018F6254	018F6704	018F6179		38	
	24	60	018F6265	018F6715	018F6190		14	
	115	60	018F6260	018F6710	018F6185		20	
	220	60	018F6264	018F6714	018F6189		29	
	240	60	018F6263	018F6713	018F6188		30	
	110	50/60	018F6280	018F6730	018F6192	018F7360	21	
	220-230	50/60	018F6282	018F6732	018F6193	018F7363	32	

Terminal box with LED light indicator

Terminal box	With built-in light emitting indicator diode for solenoid valves	018Z0089
DIN socket		042N0156

¹⁾ The k_v value is the water flow in m³/h at a pressure drop across valve of 1 bar, ρ = 1000 kg/m³.

Code numbers



Separate valve bodies

Type	Max. working pressure Ps barg	Connection		Code no.	
		Weld in.	Pipe thread ISO 228/1	With manual stem	Without manual stem
EVRS 3	50	3/8			032F3080
EVRS 3	50		G 1/4		032F3081
EVRS 10	50	1/2		032F3082	
EVRS 10	50	1/2		032F3083	
EVRS 15	50	3/4		032F3084	
EVRS 15	50	3/4		032F3085	
EVRS 20	28	1		032F3086	
EVRS 20	28	1		032F2237	
EVRS 20	50	1		032F5437	
EVRS 20	50	1		032F5438	

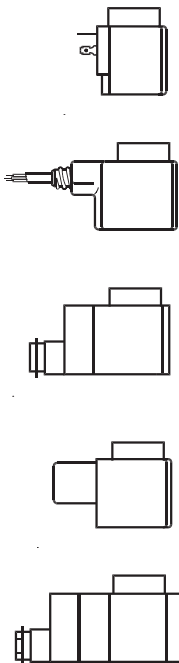
Coils See "Coils for solenoid valves", lit.no. DKRCC.PD.BS0.A4.

Clip-on coils

Valve type	Voltage V	Frequency Hz	Code no.				Appendix no.**)	Power consumption
			With 1 m 3-core cable	With terminal box	With DIN plugs and protect. cap IP20	With DIN plugs**)		
			IP67	IP67				

Alternating current a.c.

EVR 2 → 40 (NC) EVR 6 → 22 (NO) EVRH 4 → 40 EVRC EVRA EVRAT EVRS / EVRST EVM (NC)	12	50	018F6256	018F6706	018F6181		15	Holding: 10 W 21 VA Inrush: 44 VA
	24	50	018F6257	018F6707	018F6182	018F7358	16	
	42	50	018F6258	018F6708	018F6183		17	
	48	50	018F6259	018F6709	018F6184		18	
	115	50	018F6261	018F6711	018F6186	018F7361	22	
	220-230	50	018F6251	018F6701	018F6176	018F7351	31	
	240	50	018F6252	018F6702	018F6177	018F7352	33	
	380-400	50	018F6253	018F6703	018F6178		37	
	420	50	018F6254	018F6704	018F6179		38	
	24	60	018F6265	018F6715	018F6190		14	
	115	60	018F6260	018F6710	018F6185		20	
	220	60	018F6264	018F6714	018F6189		29	
	240	60	018F6263	018F6713	018F6188		30	
	110	50/60	018F6280	018F6730	018F6192	018F7360	21	
220-230	50/60	018F6282	018F6732	018F6193	018F7363	32		



Direct current d.c.

Coil type I

EVR 2 → 15 (NC) EVR 25 → 40 (NC/NO) EVR 6 → 15 (NO) EVRC 10 → 15 EVRA 3 → 15 (NC) EVRA 25 → 40 (NC) EVRAT 10 → 15 (NC) EVRS / EVRST 3 → 15 EVM (NC/NO)	12			018F6856			01	20 W
	24			018F6857			02	
	48			018F6859			04	
	110			018F6860			06	
	115			018F6861			07	
	220			018F6851			09	

Direct current d.c.

Coil type II

EVR 20 → 22 (NC/NO) EVRC 20 EVRA 20 EVRAT 20 EVRST 20	12			018F6886			01	20 W
	24			018F6887			02	
	48			018F6889			04	
	110			018F6890			06	
	220			018F6881			09	

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

*) Indicates voltage and frequency

**) Can only be used with DIN socket

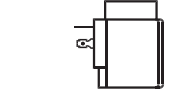
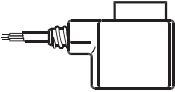
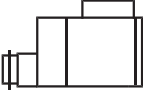
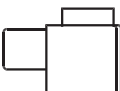
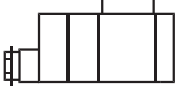
***) When replacing a coil with terminal box, it is sufficient to change the coil unit itself. Therefore, order coil with DIN plugs and protective cap.

Code numbers

Clip-on coils

Valve type	Voltage V	Frequency Hz	Code no.				Appendix no. *)	Power con- sumption
			With 1 m 3-core cable IP67	With terminal box IP67	With DIN plugs and protect. cap IP20	With DIN plugs**)		

Alternating current a.c.

    	EVR 2 → 40 (NC)	12	50	018F6256	018F6706	018F6181		15	Holding: 10 W 21 VA Inrush: 44 VA
	EVR 6 → 22 (NO)	24	50	018F6257	018F6707	018F6182	018F7358	16	
	EVRH 4 → 40	42	50	018F6258	018F6708	018F6183		17	
	EVRC	48	50	018F6259	018F6709	018F6184		18	
	EVRA	115	50	018F6261	018F6711	018F6186	018F7361	22	
	EVRAT	220-230	50	018F6251	018F6701	018F6176	018F7351	31	
	EVRS / EVRST	240	50	018F6252	018F6702	018F6177	018F7352	33	
	EVM (NC)	380-400	50	018F6253	018F6703	018F6178		37	
		420	50	018F6254	018F6704	018F6179		38	
		24	60	018F6265	018F6715	018F6190		14	
		115	60	018F6260	018F6710	018F6185		20	
		220	60	018F6264	018F6714	018F6189		29	
		240	60	018F6263	018F6713	018F6188		30	
		110	50/60	018F6280	018F6730	018F6192	018F7360	21	
		220-230	50/60	018F6282	018F6732	018F6193	018F7363	32	

Direct current d.c.

Coil type I

EVR 2 → 15 (NC)	12			018F6856			01	20 W
EVR 25 → 40 (NC/NO)	24			018F6857			02	
EVR 6 → 15 (NO)	48			018F6859			04	
EVRC 10 → 15	110			018F6860			06	
EVRA 3 → 15 (NC)	115			018F6861			07	
EVRA 25 → 40 (NC)	220			018F6851			09	
EVRAT 10 → 15 (NC)								
EVRS / EVRST 3 → 15								
EVM (NC/NO)								

Direct current d.c.

Coil type II

EVR 20 → 22 (NC/NO)	12			018F6886			01	20 W
EVRC 20	24			018F6887			02	
EVRA 20	48			018F6889			04	
EVRAT 20	110			018F6890			06	
EVRST 20	220			018F6881			09	

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

*) Indicates voltage and frequency

**) Can only be used with DIN socket

***) 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.