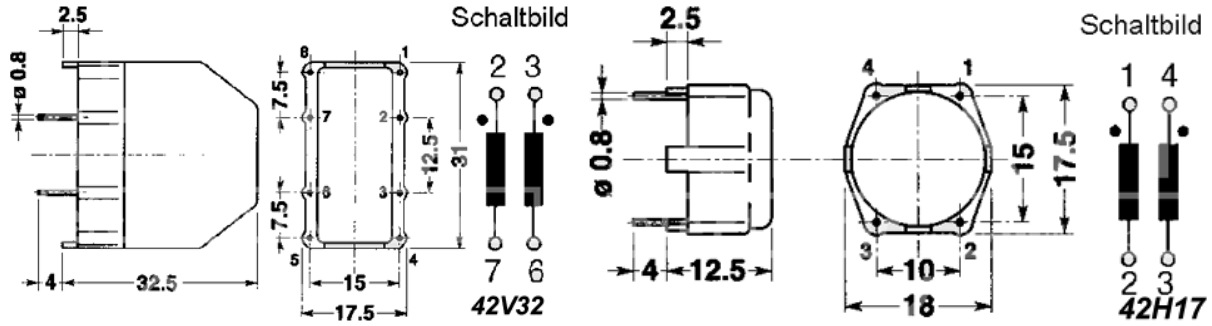

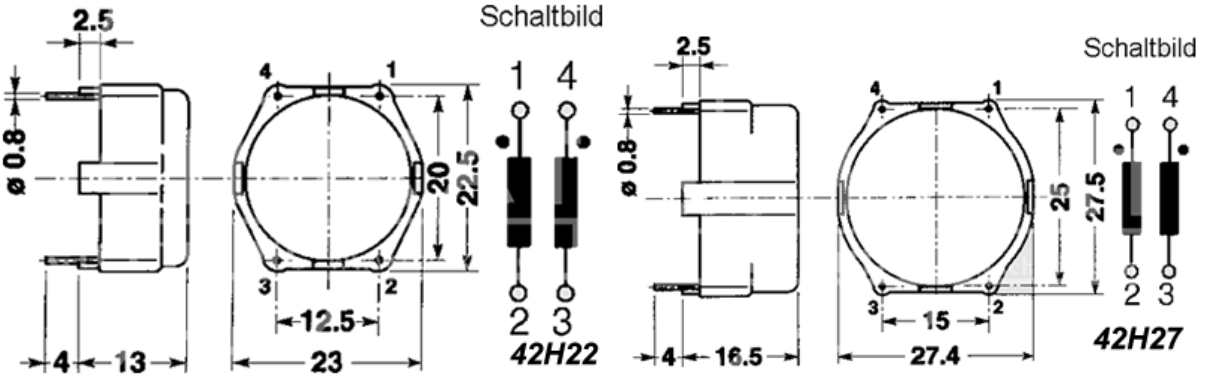

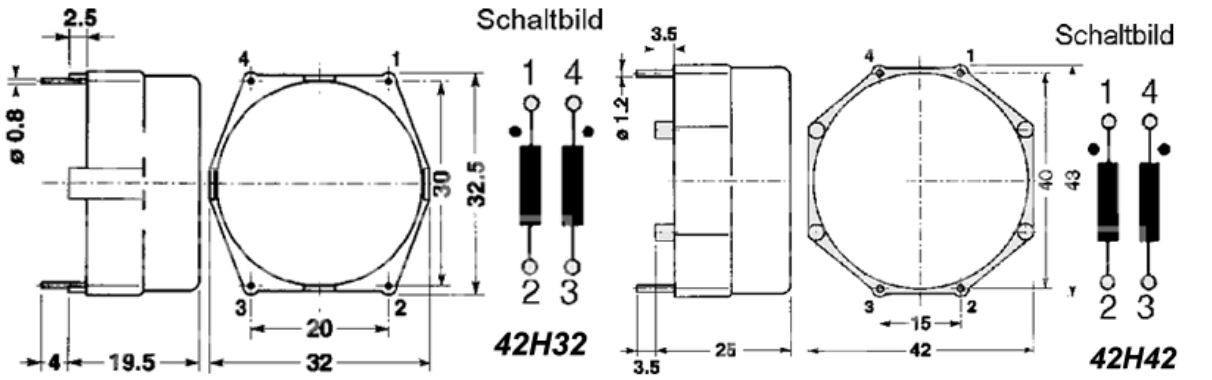

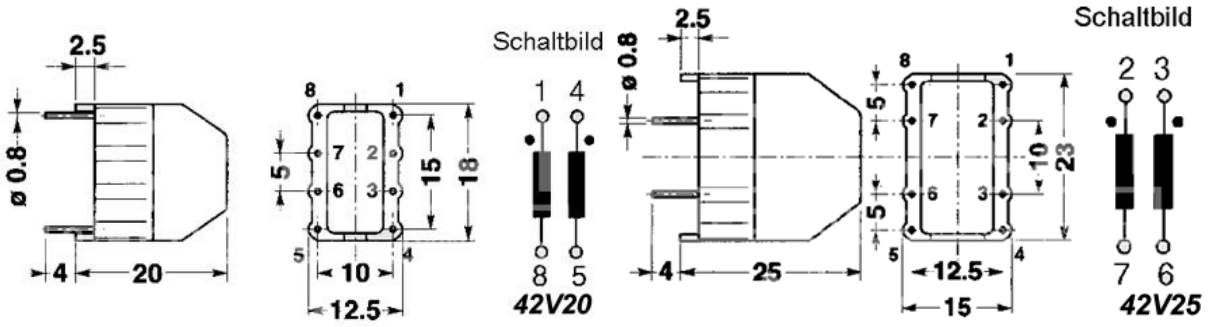

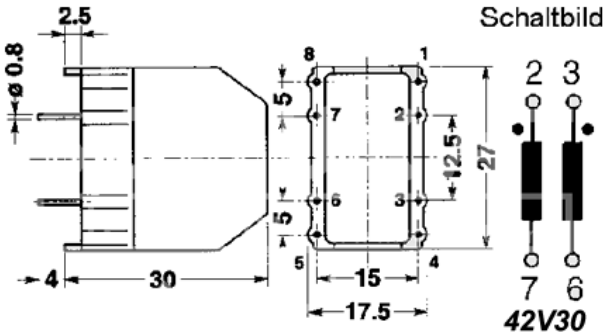

Application

• Noise suppression

Construction

These chokes are fitted with a high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies and in filters designed to prevent both the spread of parasitic noise within the device and prevent the effects of the line noise on the device itself. Encased in a flame retardant plastic material in accordance with UL94V-0 for horizontal or vertical mounting over 4 tinned soldering pins. d=0,8mm.

Technical Specifications

Rated Voltage:	250V
Rated Current (50Hz,T_U=60℃):	See Table
Rated Inductance (16kHz,T_U =20℃):	See Table
Inductance Tolerance:	±30%
Inductance Loss:	<10% at DC Initial Loading with I_N
Testing Voltage:	1500V/50Hz, 2s,
	Winding to Winding
Climatic Category:	DIN GKC (-40 to+125℃, Humidity Cat. C)
Ambient Temperature:	+60℃
Derating (Dependent on T_U):	I=0 (+120℃)
Overtemperature of Windings:	<55℃ at Rated Current
Temperature of Windings, Max.:	115℃

Series 42H17 and 42V20, 1 to 3A

RSD42H_	RSD42V_	I_N	L_O	R_N
Horizontal	Vertical	[A]	[mH]	[mW]
1710	2010	1,0	6,8	400
1720	2020	2,0	3,9	80...100
1725	2025	2,5	2,7	120...160
1730	2030	3,0	1,0	50

I_N = Rated Current per Winding, L_O = Inductance, No Load, R_N = DC Resistance per Winding, Typical

Series 42H22 and 42V25, 0,3 to 3A

RSD42H_	RSD42V_	I_N	L_O	R_N
Horizontal	Vertical	[A]	[mH]	[mW]
2203	2503	0,3	47,0	1400
2205	2505	0,5	27,0	900
2210	2510	1,0	10,0	450
2220	2520	2,0	2,2	70
2230	2530	3,0	1,2	70

I_N = Rated Current per Winding, L_O = Inductance, No Load, R_N = DC Resistance per Winding, Typical

Series 42H27 and 42V30, 1 to 4A

RSD42H_	RSD42V_	I_N	L_O	R_N
Horizontal	Vertical	[A]	[mH]	[mW]
2710	3010	1,0	27,0	600
-	3020	2,0	5,6	170
2740	3040	4,0	2,7	45

I_N = Rated Current per Winding, L_O = Inductance, No Load, R_N = DC Resistance per Winding, Typical

Series 42H32 and 42V32, 1 to 6A				
RSD42H_	RSD42V_	I_N	L_O	R_N
Horizontal	Vertical	[A]	[mH]	[mW]
	3205[1)]	0,5	100,0	1500
-	3210[1)]	1,0	47,0	660
-	3215[1)]	1,5	22,0	250
3220[1)]	3220[1)]	2,0	6,8	120
3240[1)]	3240[1)]	4,0	3,3	54
3260[1)]	3260[1)]	6,0	1,8	25
I_N = Rated Current per Winding, L_O = Inductance, No Load, R_N = DC Resistance per Winding, Typical [1)] Pitch 27,5 on request				

Series 42H42, 8 to 10A				
RSD42H_	RSD42V_	I_N	L_O	R_N
Horizontal	Vertical	[A]	[mH]	[mW]
4280	-	8,0	2,7	22
42100	-	10,0	1,8	14
I_N = Rated Current per Winding, L_O = Inductance, No Load, R_N = DC Resistance per Winding, Typical				

Approvals
0565-2