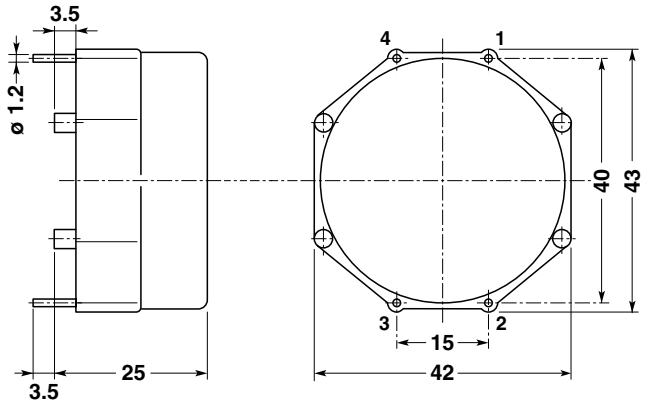
Current-compensated Noise Suppression Chokes

TYPES
42H42

Voltage **250 Vac**
Current **1 to 10 A**

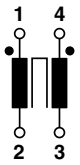
CASE VERSION

These chokes are fitted with 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 the effects of line noise on the device itself.



Dimensions in mm
Pins are tinned

42H42
Horizontal mounting



o Pins
• Start of winding

TYPES

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) m Ω
42H42 10 00	1	68	1000
42H42 20 00	2	18	230
42H42 40 00	4	6.8	60
42H42 60 00	6	3.9	38
42H42 80 00	8	2.7	22
42H42 A0 00	10	1.8	14

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with I^R
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	63 g
Approval:	VDE

The chokes are designed and tested in accordance with EN 138100; EN 60938-1
The cases are of flame-retardant plastic material in accordance with UL 94V-0