



PM 50/39

Core

B65646

- In accordance with IEC 61247
- Particularly suitable for power transformers and energy storage chokes
- PM cores are supplied in sets

Magnetic characteristics (per set)

$$\Sigma l/A = 0,227 \text{ mm}^{-1}$$

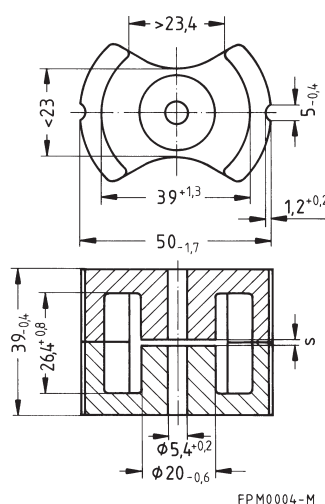
$$l_e = 84 \text{ mm}$$

$$A_e = 370 \text{ mm}^2$$

$$A_{\min} = 280 \text{ mm}^2$$

$$V_e = 31\,000 \text{ mm}^3$$

Approx. weight 140 g/set



Gapped

Material	A_L value nH	s approx. mm	μ_e	Ordering code
N27	250 ± 3 % 630 ± 3 %	2,00 0,63	45 114	B65646-A250-A27 B65646-A630-A27

Ungapped

Material	A_L value nH	μ_e	$A_{L1\min}$ nH	P_V W/set	Ordering code
N27	7400 + 30/- 20 %	1330	5000	4,2 (200 mT, 25 kHz, 100 °C)	B65646-A-R27
N87	7400 + 30/- 20 %	1330	5000	15,5 (200 mT, 100 kHz, 100 °C)	B65646-A-R87



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Accessories

B65647

Coil former

Material: GFR polyterephthalate (UL 94 V-0, insulation class to IEC 60085:

$F \triangleq$ max. operating temperature 155 °C), color code black

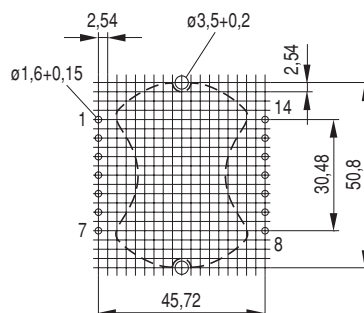
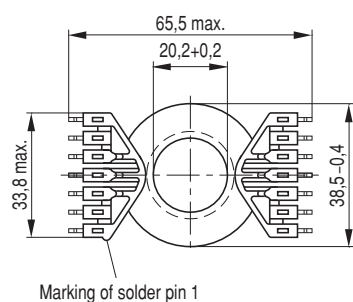
Solderability: to IEC 60068-2-20, test Ta, method 1 (aging 3): 235 °C, 2 s

Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s

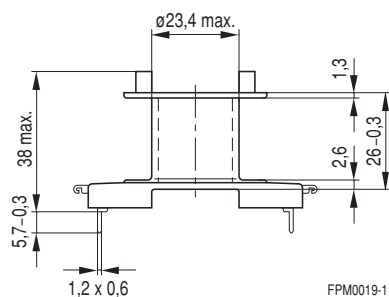
Winding: see "Processing Notes", page 154

Also available without solder pins

Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	Solder pins	Ordering code
1	154	96,8	21,6	14	B65647-B1014-T1
1	154	96,8	21,6	—	B65647-A1000-T1



Hole arrangement
View in mounting direction



FPM0019-1



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Accessories

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Mounting assembly

- For chassis mounting¹⁾ or printed circuit boards
- The set comprises a yoke and a base plate
- Fixing nuts M3 and washers are supplied

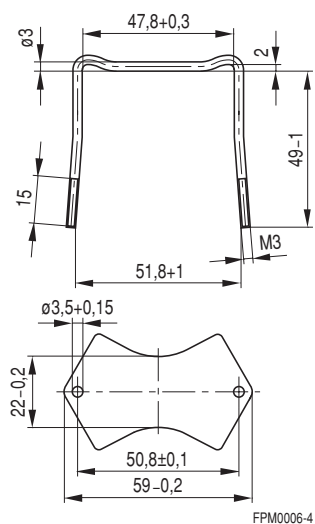
Yoke

- Material: Brass clamping yoke ($\varnothing$ 3 mm) with thread

Base plate

- Material: Aluminum (0,6 mm)

	Ordering code
Complete mounting assembly including nuts and washers	B65647-A2000



¹⁾ On a chassis the coil former must be mounted with its solder pins upward.

Herausgegeben von EPCOS AG

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