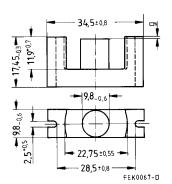
- In accordance with IEC 60647
- Compact E core with large winding window
- Round center leg particularly suitable for use of thick winding wires
- EC cores are supplied as single units

Magnetic characteristics (per set)

 $\begin{array}{ll} \Sigma l/A &= 0.92 \ {\rm mm^{-1}} \\ l_{\rm e} &= 77.4 \ {\rm mm} \\ A_{\rm e} &= 84.3 \ {\rm mm^{2}} \\ A_{\rm min} &= 71 \ {\rm mm^{2}} \\ V_{\rm e} &= 6 \ {\rm 530 \ mm^{3}} \end{array}$

Approx. weight 36 g/set

Ungapped



Material A_L value A_{L1min} P_V Ordering code μ_{e} nΗ nΗ W/set N27 2100 + 30/- 20 % 1530 1710 1,10 B66337-G-X127 (200 mT, 25 kHz, 100 °C)

Gapped

Material	g mm	A _L value approx. nH	μ _e	Ordering code
N27	0,10 ± 0,02	651	475	B66337-G100-X127
	$0,\!25\pm0,\!02$	336	245	B66337-G250-X127
	$0{,}50\pm0{,}05$	203	148	B66337-G500-X127
	$1,\!00\pm0,\!05$	123	90	B66337-G1000-X127

The A_{\perp} value in the table applies to a core set comprising one ungapped core (dimension g = 0) and one gapped core (dimension g > 0).

Calculation factors (see page 423 for formulas)

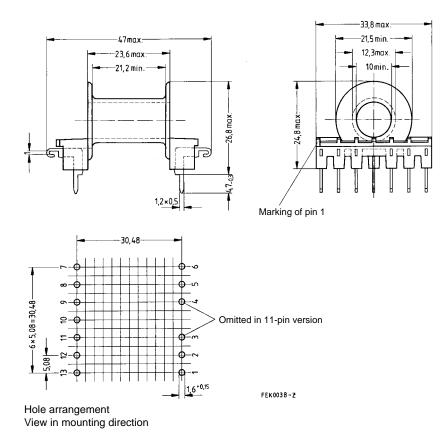
Material	Relationship between air gap – A_{L} value		Calculation of saturation current				
	<i>K1</i> (25 °C)	<i>K2</i> (25 °C)	<i>K3</i> (25 °C)	<i>K4</i> (25 °C)	<i>K3</i> (100 °C)	<i>K4</i> (100 °C)	
N27	123	- 0,724	214	- 0,847	198	- 0,865	

Validity range:

*K*1, *K*2: 0,10 mm < *s* < 2,50 mm *K*3, *K*4: 70 nH < *A*₁ < 680 nH

Coil former with solder tags

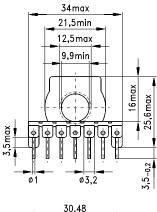
Sections	A _N mm ²	/ _N mm	A _R value μΩ	Terminals	Ordering code
1	97	53	18,8	11	B66272-C1001-T1
				13	B66272-C1002-T1

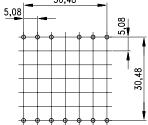


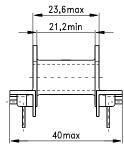
Coil former with solder pins

 $\begin{array}{lll} \mbox{Material:} & \mbox{GFR polyterephthalate (UL 94 V-0, insulation class to IEC 60085: } \\ F \hfill max. operating temperature 155 °C), color code black \\ \mbox{Solderability:} & to IEC 60068-2-20, test Ta, method 1 (aging 3): 235 °C, 2 s \\ \mbox{Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s \\ \mbox{Winding:} & see page 158 \\ \end{array}$

Sections	A _N mm ²	/ _N mm	$A_{\sf R}$ value $\mu\Omega$	Pins	Ordering code
1	97	53	18,8	13	B66272-J1013-T1







FEK0209-Y

Hole arrangement View in mounting direction Mounting holes \varnothing 1,6^{+0,15}