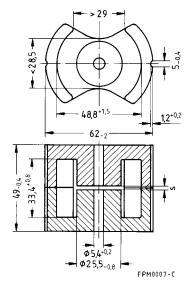
- In accordance with IEC 61247
- Particularly suitable for power transformers and energy storage chokes
- PM cores are supplied in sets

Magnetic characteristics (per set)

 $\Sigma I/A = 0.191 \text{ mm}^{-1}$ $I_e = 109 \text{ mm}$ $A_e = 570 \text{ mm}^2$ $A_{min} = 470 \text{ mm}^2$ $V_e = 62000 \text{ mm}^3$

Approx. weight 280 g/set



Gapped

Material	A _L value	s approx. mm	μ_{e}	Ordering code
N27	315 ± 3 %	2,60	48	B65684-A315-A27
	630 ± 3 %	1,10	95	B65684-A630-A27

Ungapped

Material	A _L value	μ_{e}	A _{L1min}	P _V	Ordering code
	nH		nH	W/set	
N27	9200 + 30/- 20 %	1400	5950	9,5 (200 mT, 25 kHz, 100 °C)	B65684-A-R27
N87	9200 + 30/- 20 %	1400	5950	5,8 (200 mT, 100 kHz, 100 °C)	B65684-A-R87

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

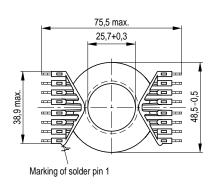
Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s

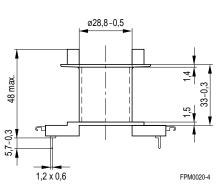
Winding: see page 153

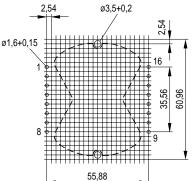
Pins squared in the start-of-winding area

Also available without solder pins

Sections	A _N mm ²	/ _N mm	$A_{\rm R}$ value $\mu\Omega$	Solder pins	Ordering code
1	270	120	15,4	16	B65685-B1016-T1
1	270	120	15,4	_	B65685-A1000-T1







Hole arrangement View in mounting direction

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

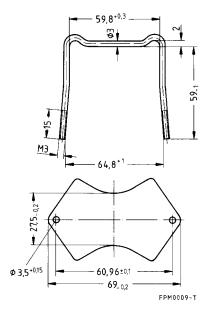
Yoke

Material: Brass clamping yoke (∅ 3 mm) with thread

Base plate

Material: Aluminum (0,6 mm)

	Ordering code
Complete mounting assembly including nuts and washers	B65685-A2000



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