



## PM/P/P Cores Halves/EP/TT/PR Cores

**Series/Type:** P 36 x 22

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B65612A50000000		2004-10-18	2005-03-31	2005-09-30
B65611D0000R026	B65611D0000R048	2002-08-02	2002-12-31	2003-03-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at [www.epcos.com/sales](http://www.epcos.com/sales).

P 36 × 22

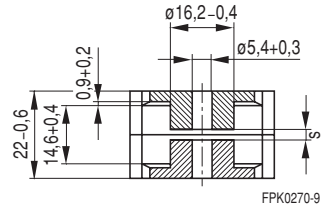
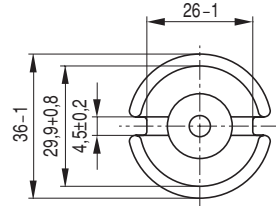
Core

B65611

- In accordance with IEC 60133
- Pot cores are supplied in sets

**Magnetic characteristics** (per set)

	with center hole	without center hole	
$\Sigma//A$	0,26	0,25	mm <sup>-1</sup>
$l_e$	52	53,5	mm
$A_e$	202	213	mm <sup>2</sup>
$A_{min}$	—	173	mm <sup>2</sup>
$V_e$	10 600	11 400	mm <sup>3</sup>



FPK0270-9

**Approx. weight** (per set)

$m$	57	59,5	g
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**Gapped**

Material	$A_L$ value	$s$ approx. mm	$\mu_e$	Ordering code <sup>1)</sup>
	nH			-D with center hole -T with threaded sleeve
N48	250 ± 2 %	1,20	52	B65611--+250-G48
	400 ± 2 %	0,62	83	B65611--+400-G48
	630 ± 3 %	0,35	130	B65611--+630-A48
	1000 ± 3 %	0,22	207	B65611--+1000-A48

**Ungapped**

Material	$A_L$ value	$\mu_e$	Ordering code
	nH		-D with center hole -W without center hole
N26	7600 + 30/- 20 %	1570	B65611-D-R26
N30	15200 + 30/- 20 %	3020	B65611-W-R30

1) Replace the + by the code letter "D" or "T" for the required version.

**Coil former**

Standard: to IEC 60133

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

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

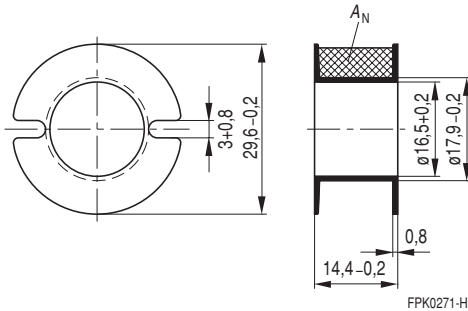
Winding: see "Processing Notes", page 155

**Insulating washer 1** between core and coil former

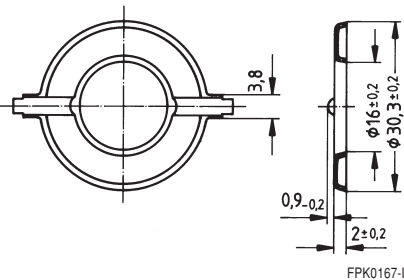
- For tolerance compensation and for insulation
- Polycarbonate spring washer (UL 94 V-0, insulation class to IEC 60085: E  $\triangleq$  120°C), 0,08 mm thick

Coil former				Ordering code
Sections	$A_N$ mm <sup>2</sup>	$l_N$ mm	$A_R$ value $\mu\Omega$	
1	63	73	39	B65612-B-T1
Insulating washer 1 (reel packing, PU = 1 reel)				B65612-A5000

**Coil former**



**Insulating washer 1**



### Mounting assembly for printed circuit boards

- The set comprises a terminal carrier and a yoke

#### Terminal carrier

Material: GFR polyterephthalate (UL 94 V-0, insulation class to IEC 60085: F  $\triangleq$  max. operating temperature 155 °C), color code gray

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

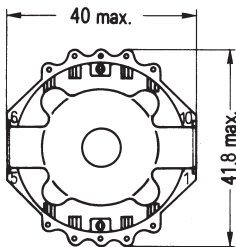
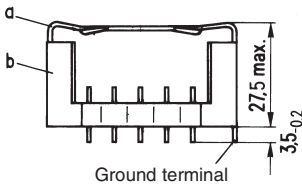
Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s

#### Yoke

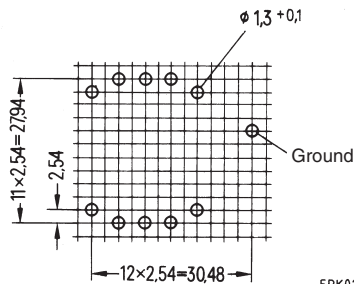
Spring yoke, made of nickel silver (0,6 mm), with ground terminal

Complete mounting assembly (10 solder terminals)

Ordering code: B65615-B1



Hole arrangement  
View in mounting direction



FPK0168-R

- a) Yoke  
b) Terminal carrier with 10 solder terminals

### Adjusting screw

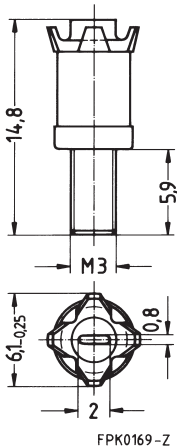
■ Tube core with thread and core brake made of GFR polyterephthalate

Plastic **adjusting screwdriver** (not shown)

Plastic **handle** for adjusting screwdriver (not shown)

Core P 36 × 22		Adjusting screw			Min. adjusting range %	Ordering code
Material	A <sub>L</sub> value nH	Tube core ∅ × length mm	Material	Color code		
N 48	250 400	4,55 × 6,3	N 22	red	15 8	B65679-E3-X22
	400 630	4,98 × 6,3	N 22	black	15 10	B65679-E2-X22
	630 1000	5,15 × 6,3	N 22	white	14 8	B65679-E1-X22
<b>Adjusting screwdriver</b>						B63399-B1
<b>Handle</b>						B63399-B5

### Adjusting screw <sup>1)</sup>



1) Due to the limited distance between adjusting screw and internal borehole, the entire assembly must be accurately centered.

**Herausgegeben von EPCOS AG**

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