

P 36 × 22
Core and Accessories

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| Core | B65611 | 388 |
| Threaded sleeve (glued-in) | | |
| Terminal carrier | B65615 | 390 |

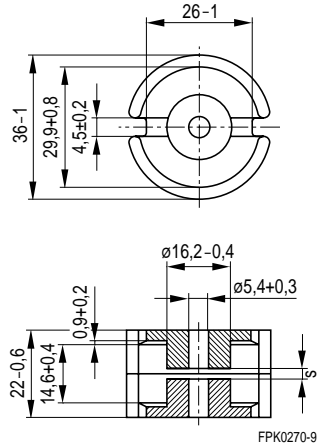
FPK0025-2

Example of an assembly set
 for printed circuit boards

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

Magnetic characteristics (per set)

| | with center hole | without center hole | |
|--------------|------------------|---------------------|------------------|
| $\Sigma I/A$ | 0,26 | 0,25 | mm ⁻¹ |
| I_e | 52 | 53,5 | mm |
| A_e | 202 | 213 | mm ² |
| A_{min} | — | 173 | mm ² |
| V_e | 10600 | 11400 | mm ³ |



Approx. weight (per set)

| m | 57 | 59,5 | g |
|-----|----|------|---|
|-----|----|------|---|

Gapped

| Material | A_L value nH | s approx. mm | μ_e | Ordering code ¹⁾ -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 nH | μ_e | P_V W/set | Ordering code -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

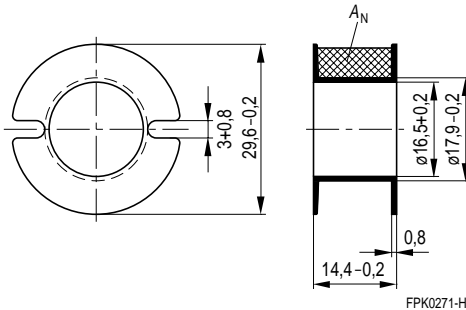
Winding: see page 154

Insulating washer 1 between core and coil former

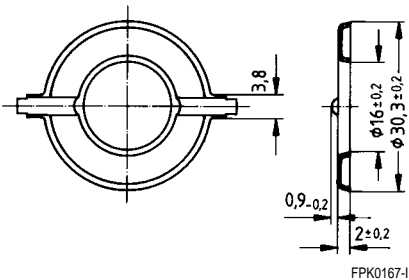
- For tolerance compensation and for insulation
- Polycarbonate spring washer (UL 94 V-0, insulation class to IEC 60085: E \triangleq 120 °C), 0,06 mm thick

| Coil former | | | | Ordering code |
|---|--------------------------|-------------|----------------------------|---------------|
| Sections | A_N mm ² | 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

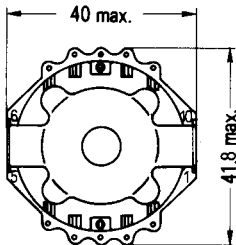
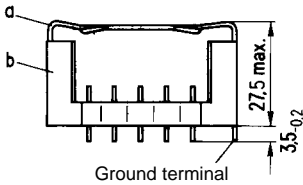
Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s

Yoke

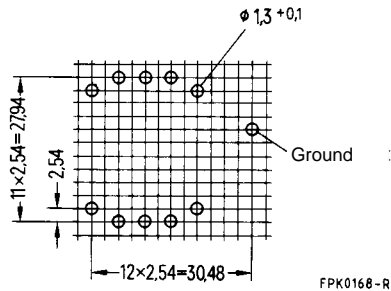
Material: Spring yoke, made of nickel silver (0,5 mm), with ground terminal

Complete mounting assembly (10 solder terminals)

Ordering code: B65615-B1



Hole arrangement
 View in mounting direction



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

Adjusting screw

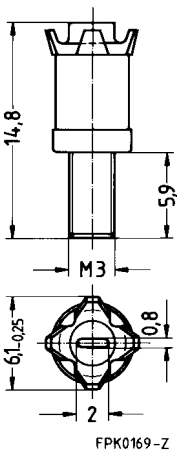
● Tube core with thread and core brake made of GFR polyterephthalate

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 _L value nH | Tube core Ø × 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 |
| | 630 800 900 1000 1250 | 5,15 × 6,3 | N 22 | white | 14 10 8 7 6 | B65679-E1-X22 |
| Adjusting screwdriver | | | | | | B63399-B1 |
| Handle | | | | | | B63399-B5 |

Adjusting screw ¹⁾

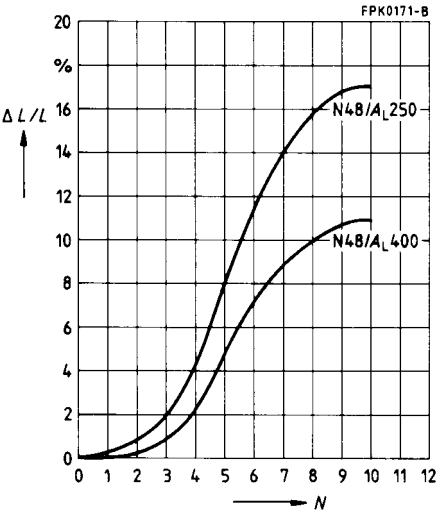


1) Due to the limited distance between adjusting screw and internal borehole, the entire assembly must be accurately centered.

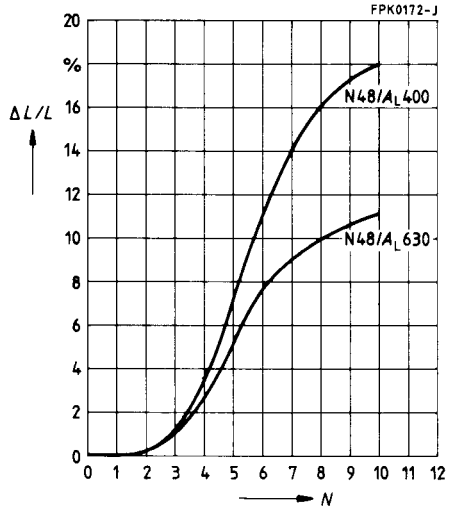
Inductance adjustment curves (nominal values)

Relative inductance change $\Delta L/L$ versus turns N of adjusting screw.
 0 \cong at least 2 turns engaged.

Adjusting screw B65679-E3-X22
 Color code red



Adjusting screw B65679-E2-X22
 Color code black



Adjusting screw B65679-E1-X22
 Color code white

