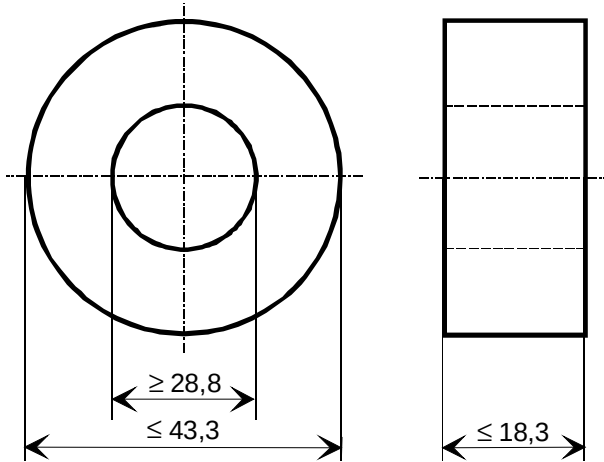


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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | <b>Spezifikation für weichmagnetische Kerne</b><br><i>Specification for Soft Magnetic Cores</i> |  |                                                                                                                                                                                                | <b>S-No.:</b><br>T60006-E4040-<br><b>W545-52-</b> |      |
| PK:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            | Kunde/Customer:                                                                                 |  |                                                                                                                                                                                                | Datum: 13/00                                      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                                                                                 |  |                                                                                                                                                                                                | Seite: 1 von 2                                    |      |
| <b>Ausführung / Core design:</b><br>Ringbandkern / <i>Toroidal core:</i><br><br><b>Nennmaße / Nominal Dimensions:</b><br>40x32x15 mm<br><br><b>Legierung / Core Material:</b><br>VITROVAC 6025 Z<br><br><b>Fixierung / Type of Finish:</b><br>Fix 022/C<br>(Kunststofftrog mit Siliconkautschuk /<br><i>Plastic case with silicon rubber</i> )<br><br><b>Bezugswerte / Rated Dimensions:</b><br>$A_{Fe} = 0,456 \text{ cm}^2$<br>$l_{Fe} = 11,3 \text{ cm}$<br>$m_{Fe} = 39,7 \text{ g}$                                                                                                                                             |            |                                                                                                 |  | <b>Maßbild / Drawing:</b><br>ohne Maßstab / <i>without scale</i><br>Maße in mm / <i>Dimensions in mm</i><br> |                                                   | Rev. |
| <b>Endprüfung / Final Inspection:</b> (100% Prüfung, AQL...: IEC 410 / DIN ISO 2859)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                 |  |                                                                                                                                                                                                |                                                   |      |
| <b>1. Magnetische Prüfung (AQL 0,65) / Magnetical Test (AQL 0,65)</b><br><br>Prüfung nach Magnetqualität XCZ 500<br><i>Measurement according to Magnetic Specification XCZ 500</i><br><br>Die Prüfung erfolgt bei Raumtemperatur /<br><i>Measurement at room temperature</i><br><br>1.1 Verlustprüfung / <i>Measurement of core losses</i><br><br>Einstellwerte / <i>Setting values:</i><br>$B = 0,4 \text{ T}$ (entspr. / <i>corresp.</i> $U_2 = 4,05 \text{ V/Wdg.}$ )<br>$f = 50 \text{ kHz}$<br><br>Prüfwert / <i>Specified value</i><br>$p_{Fe} \leq 65 \text{ W/kg}$ (entspr. / <i>corresp.</i> $P_{Fe} \leq 2,58 \text{ W}$ ) |            |                                                                                                 |  |                                                                                                                                                                                                |                                                   |      |
| Herausgeber                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bearbeiter | KB-PM K                                                                                         |  |                                                                                                                                                                                                |                                                   |      |
| KB-E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Till       | Klinger                                                                                         |  |                                                                                                                                                                                                | 29.03.2000                                        |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                                                                                 |  |                                                                                                                                                                                                | freigegeben                                       |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                                                                                 |  |                                                                                                                                                                                                | Petzold                                           |      |

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| PK:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Kunde/ <i>Customer</i> :                                                                        | Datum: 13/00                                               |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                 | Rev.                                                       |
| <div>1.2 Messung des Remanenzhubes von der Remanenz in die Sättigung mit unipolaren Rechteckspannungsimpulsen bei Vorgabe der Feldstärkeamplitude. /<br/><i>Measurement of flux density swing from residual flux density into saturation with unipolar rectangular voltage pulses, constant field strength amplitude.</i></div> <div>Einstellwerte / <i>Setting values</i>:<br/><div><div><div><math>t_d</math></div><div>= 20 <math>\mu</math>s</div></div><div><div><math>f_p</math></div><div>= 1 kHz</div></div><div><div><math>H</math></div><div>= 2 A/cm</div></div></div><div>(entspr. / <i>corresp.</i> <math>I \times N = 22,6 \text{ A.}</math>)</div></div> <div>Prüfwert / <i>Specified value</i><br/><div><div><math>\Delta B_{RS} \leq 50 \text{ mT}</math></div><div>(entspr. / <i>corresp.</i> <math>\Delta \Phi_{RS} \leq 2,28 \mu\text{Vs}</math>)</div></div></div> |                                                                                                 |                                                            |