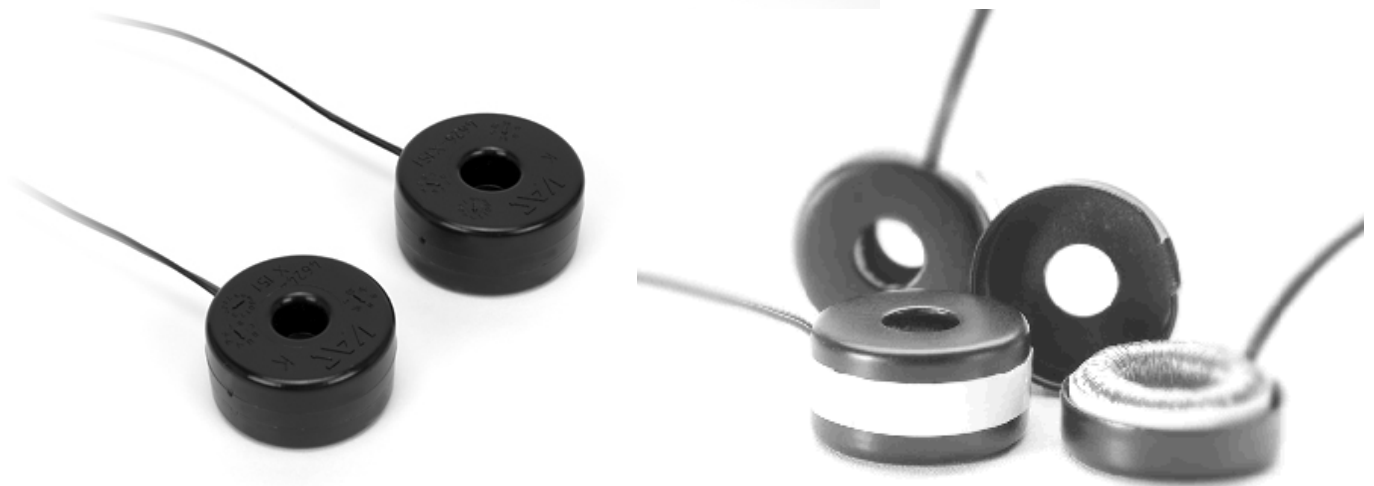


# Current Transformers for Electronic Electricity Meters Shielded CTs for Anti-Tampering



- Safety against Manipulation with External Magnetic fields
- High Linearity Performance
- Extremely Compact Design
- According to IEC 62053-21,-23
- Excellent DC Tolerance
- Excellent Low Load Characteristic
- Meets Inductive Load Condition (Power factor  $\ll 1$ )

PI-CT 2 07/2010

## New Product Series: Shielded Current Transformers for Protection against External Magnetic Fields

$I_{\max}$ [A]	OD x H [mm]*	ID [mm]**	Typ. Phase Error [°]	T60404-...
6 A	28,5 x 6,5	4,5	0,4	E4622-X011***
40 A	38,5 x 20,0	6,0	2,1	E4623-X171
60 A	33,7 x 17,1	8,0	4,4	E4624-X151
	36,9 x 19,2	8,0	2,3	E4624-X171****
80 A	33,7 x 17,1	8,0	5,2	E4625-X151
100 A	35,0 x 15,0	9,5	4,7	E4626-X151

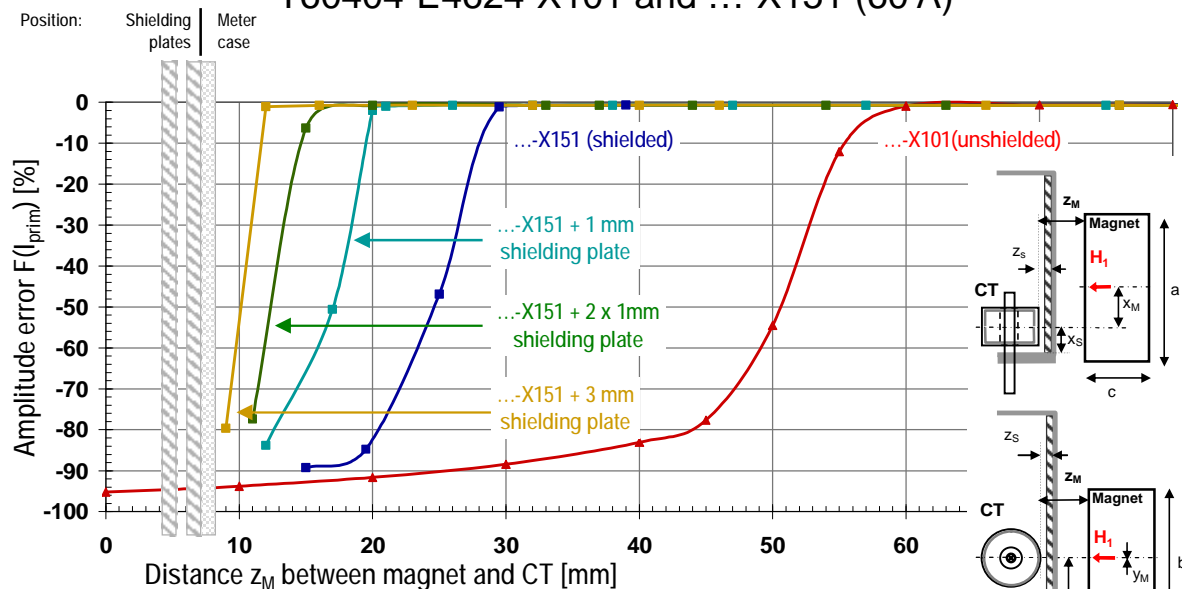
\* = round shape, litz wire version, for further details see VAC datasheet (available upon request)

\*\* = inner diameter for primary bus bar

\*\*\* = for indirect connected meters, w/o DC tolerance

\*\*\*\* = cost effective alternative to 4624-X151

### Example: Sensitivity against DC magnetic fields T60404-E4624-X101 and ...-X151 (60 A)



Shielding plate: Fe ca. 70 x 130 mm    Position shielding plate - CT [mm]:  $x_S = 11,5$   $y_S = 68$   $z_S = 6$   
Magnet: VACOMAX 65 x 65 x 35 mm    Position magnet - CT [mm]:  $x_M = 16$   $y_M = 0$   $z_M = \text{var.}$

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