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TNI	**Skratové prúdy v trojfázových sústavách striedavého prúdu** **Časť 1: Súčinitele na výpočet skratových prúdov podľa IEC 60909-0**	**TNI** **IEC/TR 60909-1** 33 3020

Short-circuit currents in three-phase a.c. systems – Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0

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TECHNICAL REPORT

IEC TR 60909-1

Second edition
2002-07

Short-circuit currents in three-phase a.c. systems –

Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*

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Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0

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CONTENTS

FOREWORD 11

1 General 15
1.1 Scope and object 15
1.2 Reference documents 15
1.3 Application of the factors 15
1.3.1 Factor c 15
1.3.2 Factors K_G and K_S or K_{SO} 15
1.3.3 Factors $K_{G,S}$, $K_{T,S}$ or $K_{G,SO}$, $K_{T,SO}$ 15
1.3.4 Factor K_T 15
1.3.5 Factor κ 17
1.3.6 Factors μ, λ and q 17
1.3.7 Factors m and n 17
1.3.8 Contribution of asynchronous motors to the initial symmetrical short-circuit current 17
1.4 Symbols, subscripts and superscripts 17
1.4.1 Symbols 17
1.4.2 Subscripts 19
1.4.3 Superscripts 19
2 Factors used in IEC 60909-0 19
2.1 Voltage factor c for the equivalent voltage source at the short-circuit location 19
2.1.1 General 19
2.1.2 Calculation methods 21
2.1.3 Equivalent voltage source at the short-circuit location and voltage factor c 21
2.1.4 A simple model illustrating the meaning of the voltage factor c 23
2.2 Impedance-correction factors when calculating the short-circuit impedances of generators, unit transformers and power-station units 31
2.2.1 General 31
2.2.2 Correction factor K_G 33
2.2.3 Correction factors for power station units with on-load tap changer 37
2.2.4 Correction factors for power station units without on-load tap-changer 59
2.2.5 Influence of the impedance correction factor for power-station units when calculating short-circuit currents in meshed networks and maximum short-circuit currents at worst-case load flow 67
2.3 Impedance correction factor K_T when calculating the short-circuit impedances of network transformers 73
2.3.1 General 73
2.3.2 Example for a network transformer S_{rT} = 300 MVA 75
2.3.3 Statistical examination of 150 network transformers 83
2.3.4 Impedance correction factors for network transformers in meshed networks 85

2.4 Factor κ for the calculation of the peak short-circuit current 89
2.4.1 General 89
2.4.2 Factor κ in series R-L-circuits 89
2.4.3 Factor κ of parallel R-L-Z branches 95
2.4.4 Calculation of the peak short-circuit current i_p in meshed networks 101
2.4.5 Example for the calculation of κ and i_p in meshed networks 105
2.5 Factor μ for the calculation of the symmetrical short-circuit breaking current 107
2.5.1 General 107
2.5.2 Basic concept 109
2.5.3 Calculation of the symmetrical short-circuit breaking current I_b with the factor μ 113
2.6 Factor λ (λ_{max}, λ_{min}) for the calculation of the steady-state short-circuit current 119
2.6.1 General 119
2.6.2 Influence of iron saturation 121
2.7 Factor q for the calculation of the short-circuit breaking current of asynchronous motors 127
2.7.1 General 127
2.7.2 Derivation of factor q 129
2.7.3 Short-circuit breaking currents in the case of unbalanced short circuits 135
2.8 Factors m and n for the calculation of the Joule integral or the thermal equivalent short-circuit current 137
2.8.1 General 137
2.8.2 Time-dependent three-phase short-circuit current 139
2.8.3 Factor m 139
2.8.4 Factor n 141
2.8.5 Factor n in IEC 60909-0, figure 22 143
2.9 Statement of the contribution of asynchronous motors or groups of asynchronous motors (equivalent motors) to the initial symmetrical short-circuit current 147
2.9.1 General 147
2.9.2 Short circuit at the terminals of asynchronous motors 147
2.9.3 Partial short-circuit currents of asynchronous motors fed through transformers 149
2.9.4 Sum of partial short-circuit currents of several groups of asynchronous motors fed through several transformers 153

Bibliography 159

Figure 1 – Model for the calculation of the coherence between the voltage deviation Δu and the short-circuit current deviation $\Delta i''_k$ 23

Figure 2 – Calculation of $\Delta i''_k$ according to equation (8) for different parameters 29

Figure 3 – Partial short-circuit current $\underline{I}''_{kG(S)}$ of a generator directly connected to a network 33

Figure 4 – Calculation of $\underline{I}''_{kG(S)}$ with the superposition method 35

Figure 5 – Partial symmetrical short-circuit current I''_{kS} of a power station unit S, at the high-voltage side of a unit transformer with on-load tap-changer 39

Figure 6 – Simulation of a power station unit with on-load tap-changer 41

Figure 7 – Partial short-circuit current of a power station unit found with the superposition method 45

Figure 8 – Cumulative frequency H of the deviations calculated with equation (33) [22] and [23] 47

Figure 9 – Power station unit with on-load tap changer and auxiliary transformer F1, F2, F3: short-circuit locations ($I''_{kMF1} = I''_{kMF2}$) 49

Figure 10 – Cumulative frequency H of the deviations $\Delta_{G(\nu)}$ according to equation (39) for partial short-circuit currents of generators in 47 power station units with on-load tap changer [23]. Short circuit location $F1$ in figure 9 53

Figure 11 – Cumulative frequency H of the deviations $\Delta_{T(\nu)}$ according to equation (42) for the partial short-circuit currents of unit transformers in 47 power station units with on-load tap-changer [23]. Short-circuit location $F1$ in figure 9. 55

Figure 12 – Cumulative frequency H of the deviations $\Delta_{T(\nu)}$ according to equation (42), see figure 11, for the calculation of $I''_{kT(S)}$ if only overexcited operation is anticipated [23] 57

Figure 13 – Cumulative frequency H of the deviations $\Delta_{F2(\nu)}$ according to equation (46) for the partial short-circuit current I''_{kF2} (figure 9) in the case of over- or under-excited operation before the short circuit 59

Figure 14 – Cumulative frequency H of the deviations calculated with equation (50) [22] and [23] 61

Figure 15 – Cumulative frequency H of the deviations calculated with equation (39) for 27 generators of power station units without on-load tap changer 63

Figure 16 – Cumulative frequency H of the deviations calculated with equation (42) for 27 unit transformers of power station units without on-load tap changer 65

Figure 17 – Cumulative frequency H of the deviations calculated with equation (46) for the partial short-circuit current I''_{kF2} (figure 9) of power station units without on-load tap changer 67

Figure 18 – Cumulative frequency H of the deviations Δ [13] 71

Figure 19 – Calculation of $\underline{I}''_{kT(S)} = \underline{I}^{b} + \underline{I}''_{kTU\,b}$ with the superposition method [19] and [25] ...75

Figure 20 – Short-circuit currents $I''_{kT(S)}$ depending on t, U^{b} and S''_{kQ} for the network transformer S_{rT} = 300 MVA (data see text) 77

Figure 21 – Deviations Δ_{NT} calculated with equation (64) for the transformer S_{rT} = 300 MVA 81

Figure 22 – Cumulative frequency H of the deviations Δ_{NT} calculated with equation (64) 1: K_T = 1,0; 2: K_T according to equation (63) with I_T^{b} / I_{rT} = 1 85

Figure 23 – Calculation of the factor κ in the case of a single-fed three-phase short circuit (series R-L-circuit) 91

Figure 24 – Factor κ and t_p (f = 50 Hz) as a function of R/X or X/R 95

Figure 25 – Equivalent circuit diagram for the calculation of κ in case of two parallel branches (positive-sequence system) 97

Figure 26 – Factor κ for the calculation of $i_p = \kappa\sqrt{2}\,I''_k$ for the case of two parallel branches as shown in figure 25, with $Z_I = Z_{II}$, $0{,}005 \le R_I/X_I \le 1{,}0$ and $0{,}005 \le R_{II}/X_{II} \le 10{,}0$ 99

Figure 27 – Deviations $\Delta\kappa_a$, $\Delta\,(1{,}15\,\kappa_b)$ and $\Delta\kappa_c$ from the exact value κ with $0{,}005 \le Z_I/Z_{II} \le 1{,}0$ for the configuration of figure 25 101

Figure 28 – Example for the calculation of κ and i_p with the methods a), b) and c) (IEC 60909-0, 4.3.1.2) 105

Figure 29 – Network configuration (single fed short circuit) and relevant data to demonstrate the decay of the symmetrical a.c. component of a near-to-generator short circuit 111

Figure 30 – Decay of the symmetrical short-circuit current (factor μ) based on test measurements and calculations [5] 117
Figure 31 – Characteristic saturation curve method to find the Potier reactance X_p in accordance with [4] 123
Figure 32 – Equivalent circuit with the source voltage $E_0(I_f)$ and the Potier reactance X_p 123
Figure 33 – Factor q from measured and calculated values of $I_{bM} = \mu q\, I''_{kM}$, equation (91), at different values t_{min} in comparison to $q = q_{IEC}$ (IEC 60909-0, figure 17) 129
Figure 34 – Time functions μ, q, μq and $e^{-t/T_{AC}}$ for the calculation of the symmetrical short-circuit breaking current $I_{bM} = \mu q\, I''_{kM}$ in the case of a short circuit at the terminals of an asynchronous motor 131
Figure 35 – Effective time constants T_{AC} for the determination of the symmetrical short-circuit breaking current I_{bM} and in comparison $T_{\mu q} = -t_{min}/\ln(\mu q)_{IEC}$ 135
Figure 36 – Time function I_{bM} / I''_{kM} in the case of a balanced short circuit (I_{b3M} / I''_{kM}) and a line-to-line short circuit (I_{b2M} / I''_{kM}) at the terminals of an asynchronous motor 137
Figure 37 – Contribution of one asynchronous motor or a group of asynchronous motors to the initial symmetrical short-circuit current $\underline{I}''_k = \underline{I}''_{kQ} + \underline{I}''_{kM}$ 147
Figure 38 – Example for the estimation of the partial short-circuit current I''_{kM} supplied by a single asynchronous motor or an equivalent motor 149
Figure 39 – Partial short-circuit currents from several groups of asynchronous motors fed through several transformers (see text for restrictive conditions) 153
Figure 40 – Investigation of the left and right side of equation (118) to determine the deviation Δ according to equation (120): $u_{kr} = 0{,}06 \Rightarrow 6\,\%$, $I_{LR} / I_{rM} = 5$ for both the transformers and motor groups 157

Table 1 – Voltages and currents before the short circuit at the low-voltage side of the network transformers 83
Table 2 – Results of calculations in meshed high-voltage networks with impedance correction factors for power station units and with K_T according to equation (65) for the deviations Δ from equation (66) [19] 87
Table 3 – Values of κ for the example in figure 28 107
Table 4 – Data of low-voltage and medium-voltage asynchronous motors (50 Hz) and calculated values 133
Table 5 – Data for the model generator [15] 143

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SHORT-CIRCUIT CURRENTS IN THREE-PHASE AC SYSTEMS –

Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0

FOREWORD

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IEC 60909-1, which is a technical report, has been prepared by IEC technical committee 73: Short-circuit currents.

This technical report shall be read in conjunction with IEC 60909-0.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
73/120/DTR	73/125/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

This document, which is purely informative, is not to be regarded as an International Standard.

The committee has decided that the contents of this publication will remain unchanged until 2010. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

SHORT-CIRCUIT CURRENTS IN THREE-PHASE AC SYSTEMS –

Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0

1 General

1.1 Scope and object

This part of IEC 60909 is a technical report applicable to short-circuit currents in three-phase a.c. systems. This technical report aims at showing the origin and the application, as far as necessary, of the factors used to meet the demands of technical precision and simplicity when calculating short-circuit currents according to IEC 60909-0.

Thus this technical report is an addition to IEC 60909-0. It does not, however, change the basis for the standardized calculation procedure given in IEC 60909-0.

NOTE References are given in some cases to offer additional help, not to change the procedure laid down in the standard.

1.2 Reference documents

IEC 60038:1983, *IEC standard voltages*

IEC 60909-0:2001, *Short-circuit currents in three-phase a.c. systems – Part 0: Calculation of currents*

IEC/TR 60909-2:1992, *Electrical equipment – Data for short-circuit current calculations in accordance to IEC 60909 (1988)*

IEC/TR 60909-4:2000, *Short-circuit currents in three-phase a.c. systems – Part 4: Examples for the calculation of short-circuit currents*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN