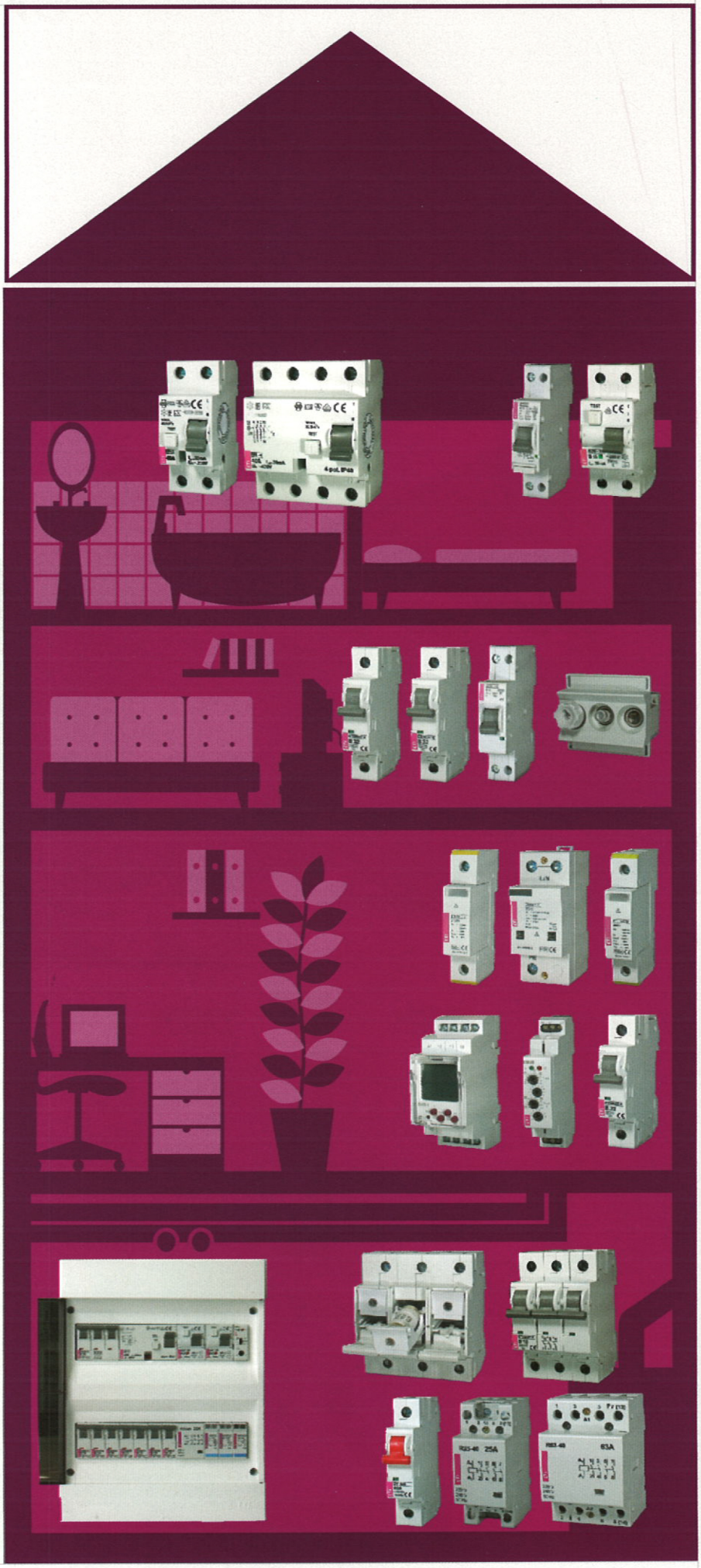
# solutions

## RESIDENTIAL AND COMMERCIAL INSTALLATIONS

ETI provides high-quality and integral solutions for protection of electrical installations in buildings. We supply all kinds of type D, D0 and C fuse-links, as well as MCB's and various types of residual current protection switches from ASTI group. In our sales program you will also find various types of switches and supervision & control devices of EVE group. Very important is also overvoltage protection ETITEC. All together shall be built, of course, into a distribution cabinet DIDO of your choice. The products are internationally certified and carry several quality marks.



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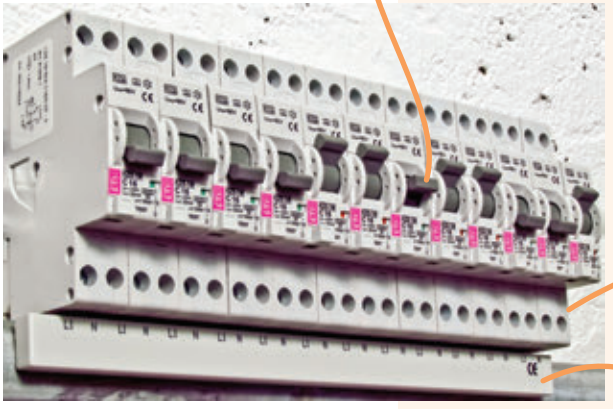

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| Rated short-circuit capacity | Rated current | Tripping characteristic | Rated residual current |
|---|---|---|---|
| 10 kA | 6 - 40 A | B, C | 0,01 - 0,5 A |

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**KZS-2M $I_n$ = 10 mA**

| $I_n$ [A] | Type A Code No. B | Type A Code No. C | Weight [g] | Packaging [pcs] |
|---|---|---|---|---|
| 6 | 002173211 | 002173231 | 225 | 1/54 |
| 10 | 002173212 | 002173232 | 225 | 1/54 |
| 13 | 002173213 | 002173233 | 225 | 1/54 |
| 16 | 002173214 | 002173234 | 225 | 1/54 |
| 20 | 002173215 | 002173235 | 225 | 1/54 |
| 25 | 002173216 | 002173236 | 225 | 1/54 |
| 32 | 002173217 | 002173237 | 225 | 1/54 |
| 40 | 002173218 | 002173238 | 225 | 1/54 |

**KZS-2M $I_n$ = 30 mA**

| $I_n$ [A] | Type A Code No. B | Type A Code No. C | Type AC Code No. B | Type AC Code No. C | Weight [g] | Packaging [pcs] |
|---|---|---|---|---|---|---|
| 6 | 002173201 | 002173221 | 002173101 | 002173121 | 225 | 1/54 |
| 10 | 002173202 | 002173222 | 002173102 | 002173122 | 225 | 1/54 |
| 13 | 002173203 | 002173223 | 002173103 | 002173123 | 225 | 1/54 |
| 16 | 002173204 | 002173224 | 002173104 | 002173124 | 225 | 1/54 |
| 20 | 002173205 | 002173225 | 002173105 | 002173125 | 225 | 1/54 |
| 25 | 002173206 | 002173226 | 002173106 | 002173126 | 225 | 1/54 |
| 32 | 002173207 | 002173227 | 002173107 | 002173127 | 225 | 1/54 |
| 40 | 002173208 | 002173228 | 002173108 | 002173128 | 225 | 1/54 |

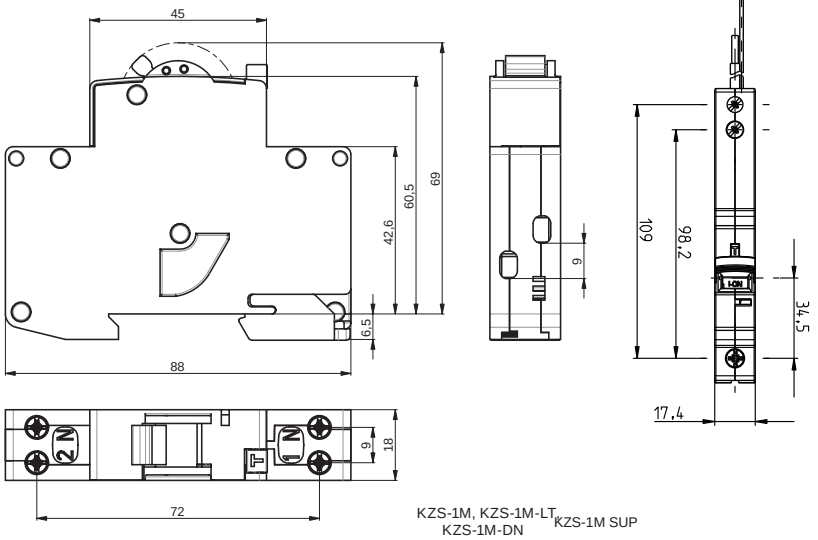
**KZS-2M $I_n$ = 100 mA**

| $I_n$ [A] | Type A Code No. B | Type A Code No. C | Weight [g] | Packaging [pcs] |
|---|---|---|---|---|
| 6 | 002173701 | 002173721 | 225 | 1/54 |
| 10 | 002173702 | 002173722 | 225 | 1/54 |
| 13 | 002173703 | 002173723 | 225 | 1/54 |
| 16 | 002173704 | 002173724 | 225 | 1/54 |
| 20 | 002173705 | 002173725 | 225 | 1/54 |
| 25 | 002173706 | 002173726 | 225 | 1/54 |
| 32 | 002173707 | 002173727 | 225 | 1/54 |
| 40 | 002173708 | 002173728 | 225 | 1/54 |

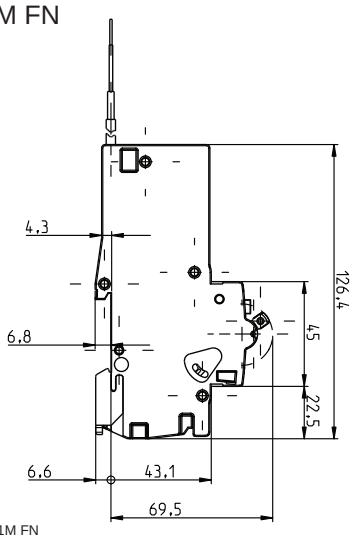
**KZS-2M $I_n$ = 300 mA**

| $I_n$ [A] | Type A Code No. B | Type A Code No. C | Type AC Code No. B | Type AC Code No. C | Weight [g] | Packaging [pcs] |
|---|---|---|---|---|---|---|
| 6 | 002173401 | 002173421 | 002173301 | 002173321 | 225 | 1/54 |
| 10 | 002173402 | 002173422 | 002173302 | 002173322 | 225 | 1/54 |
| 13 | 002173403 | 002173423 | 002173303 | 002173323 | 225 | 1/54 |
| 16 | 002173404 | 002173424 | 002173304 | 002173324 | 225 | 1/54 |
| 20 | 002173405 | 002173425 | 002173305 | 002173325 | 225 | 1/54 |
| 25 | 002173406 | 002173426 | 002173306 | 002173326 | 225 | 1/54 |
| 32 | 002173407 | 002173427 | 002173307 | 002173327 | 225 | 1/54 |
| 40 | 002173408 | 002173428 | 002173308 | 002173328 | 225 | 1/54 |

## KZS-1M, KZS-1M-SUP, KZS-1M-LT, KZS-1M-DN

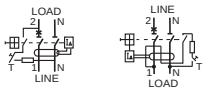



## KZS 1M FN



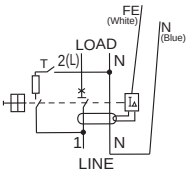

KZS-1M FN

KZS-1M, KZS-1M-LT, KZS-1M-DN




KZS-1M SUP

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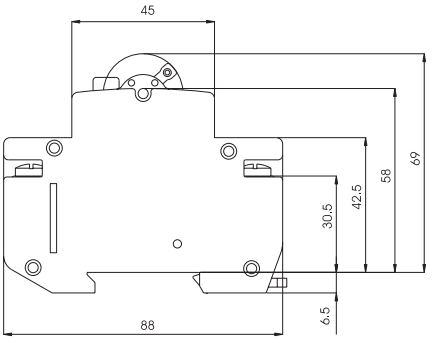
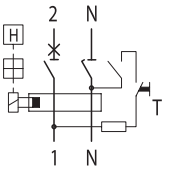
| Technical data | | |
|---|---|---|
| Type | INST | G/KV |
| Rated voltage $U_n$ | 230 V AC | |
| Rated current $I_n$ | 6-40 A | 4-40A |
| Rated frequency $f_n$ | 50/60 Hz | |
| Rated short-circuit capacity | 10.000 A | |
| Back-up fuse | 100 A gG | |
| Tripping characteristic | B, C | |
| Type | A, AC | |
| Rated residual current $I_{\Delta n}$ | 10, 30, 100, 300, 500 mA | 30 mA |
| Peak withstand current | 250 A | 3 kA |
| Rated residual making and breaking capacity $I_m$ | 10.000A | |
| Terminals | 1-25 $mm^2$ max. 3Nm | |
| Terminal screw | M5 (Pozidrive PZ2) | |
| Width | 36 mm | |
| Mounting position | any | |
| Resistance to vibrations acc. to IEC 60068-2-7 | 5g (10,60 & 500Hz) | |
| Standard | IEC 61009, EN 61009 | |




| Conductor cross-section [$mm^2$] | Number of single conductors, rigid, single-wire CU conductor | | | | |
|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 |
| 1,5 | 9 | 9 | 9 | 9 | 8 |
| 2,5 | 9 | 9 | 9 | 8 | 8 |
| 4 | 9 | 9 | 9 | 8 | 8 |
| 6 | 9 | 9 | 8 | 8 | 8 |
| 10 | 9 | 9 | 8 | 8 | 8 |
| 16 | 9 | 8 | 8 | 8 | 8 |
| 25 | 9 | 8 | 8 | 8 | 8 |

| Conductor cross-section [$mm^2$] | Number of single conductors, exible Cu conductors without cable ferrule | | | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 1,5 | 9 | 9 | 9 | 9 | 9 | 9 |
| 2,5 | 9 | 9 | 9 | 9 | 9 | 9 |
| 4 | 9 | 9 | 9 | 9 | 9 | 9 |
| 6 | 9 | 9 | 9 | 8 | 8 | 8 |
| 10 | 9 | 9 | 8 | 8 | 8 | 8 |
| 16 | 9 | 8 | 8 | 8 | 8 | 8 |
| 25 | 9 | 8 | 8 | 8 | 8 | 8 |




Remark: When you use more than 2 cables you have to be careful how those cables are inserted, due to insures proper presure on each cable

Combination of rigid single-wire and exible multi-wire Cu conductors is not allowed