



### Low-maintenance

due to transformer power supply Internal battery life > 15 years without transformer current

### Retrofit

Suitable for retrofitting the transformer-powered IKI-30 protective relay due to compatibility with IKI-30 current sensors

## Technical Data

### Device data

|                     |  |
|---------------------|--|
| Article number      | 2503290_H007_S001  |
| Product designation | IKI-35_24V RF   Protection relay according to EN 60255   LCD and USB   24V trigger   Compatibility with IKI-30 current sensors |
| Standard            | IEC 60255-1  |

### Dimensions and mounting instructions

|                             |                 |
|-----------------------------|-----------------|
| Case height x width x depth | 48 x 96 x 80 mm |
| Cutout height x width       | 45 x 92 mm      |
| Norm cutout dimensions      | DIN 43700       |
| Installation type           | Panel mounting  |

### Operating conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -40°C ... 70°C |
| Storage temperature   | -40°C ... 80°C |
| Protection class      | IP40, IP54     |
| Rated frequency       | 50 Hz, 60 Hz   |

### Technical Data Protection Functions

|   |   |
|---|---|
| Reset                                   | settable 2 h / 4 h / 8 h, autom. after load current restoring, manual |
| Setting / nominal current setting range | 10 .. 250 A, 100 .. 400 A   |
| Protection levels                       | ANSI 50, ANSI 50N, ANSI 51, ANSI 51N                                  |
| Intrinsic time                          | 43 ms   |
| Threshold value $I_{>>}/I_n$            | settable 2 .. 32 or deactivated                                       |
| Delay time $I_{>>}$                     | Settable 0 .. 2 s   |

### Technical Data Protection Functions

|                                 |  |
|---------------------------------|--|
| Threshold value UMZ I>          | settable 1.1 .. 3  |
| Delay time UMZ                  | Settable 0,3 .. 300 s  |
| Protection characteristics IDMT | IEC extremely invers, IEC long time invers, IEC normal invers, IEC very invers |
| Start value I>/In               | settable 1,1 .. 3  |
| Displacement factor v I>        | Settable 0,05 .. 10 s  |
| Threshold value Ie>>            | settable 0,1 .. 2 or deactivated   |
| Delay time tIe>>                | Settable 0 .. 2 s  |
| Threshold value UMZ Ie>         | settable 0,1 .. 2  |
| Delay time UMZ Ie>              | Settable 0 .. 5 s  |
| Start value Ie>/In              | settable 0,1 .. 2  |
| Displacement factor v Ie>       | Settable 0,05 .. 10 s  |

### Interfaces and communication

|                   |   |
|-------------------|---|
| Remote signalling | 2x, settable NO / NC, settable logic: I> + Ie>; I>; Ie>; Trip |
|-------------------|---|

### Power supply

|              |   |
|--------------|---|
| Power supply | 24 - 230 V AC/DC +- 10%; Power input < 1 Watt |
| Battery type | Lithium battery                               |
| CT-supplied  | ✓   |

| Article number | Product designation   |
|----------------|---|
| 2502030        | CT IKI-30-LU   plug-in connections   Ø 52 mm   only for screened cables   |
| 2502983        | CT IKI-30-LU-ISO   pluggable connections   Ø 52 mm   for unscreened, insulated cables   |
| 2512288_H001   | split-core CT IKI-LUM_30_d92 (set)   non-directional   for IKI-30   Ø 92mm  |
| 2512288_H003   | CT IKI-LUM_30_d92 Split-Core Transducer for C-Cone-Bushings (set)   non-directional   for IKI-30   Ø 92mm                           |
| 2512288_H004   | CT IKI-LUM_30_d92 Split-Core Transducer for C-Cone-Bushings (set)   for Siemens switchgears   non-directional   for IKI-30   Ø 92mm |
| 2512106_H001   | IKI-LUM_d92 Split-Core Transducer with cable tie (set)   Ø 92mm   |
| 2512106_H003   | IKI-LUM_d92 Split-Core Transducer for C-Cone-Bushings (set)   Ø 92mm  |
| 2512106_H004   | IKI-LUM_d92 Split-Core Transducer for SIEMENS-Bushings (set)   Ø 92mm   |
| 2502107        | Balanced core CT IKI-GSU_d60_314_diwi   pluggable connections   60 x 314 mm   |
| IKI-LUMd92     | IKI-LUM_d92 Split-Core Transducer   Ø 92mm  |

### Connecting cables CTs

| Article number | Product designation                                   |
|----------------|---|
| 3503118_S      | Connecting cable set   pluggable   Length = 3,0m      |
| 3503135_E      | Connecting cable piece   pluggable   Length = 5,0m    |
| 3503135_S999   | Connecting cable set   pluggable   Lengths on request |

### Accessories

| Article number | Product designation  |
|----------------|--|
| 3504837_S      | Connecting cable set   pluggable   printed<br>Lengths: L1 = 120 cm, L2 = 130 cm, L3 = 140 cm |
| 3503135_E      | Connecting cable piece   pluggable   Length = 5,0m   |
| 3503135_S999   | Connecting cable set   pluggable   Lengths on request  |