

EKL1-63B 10KA B Type RCCB


Residual Current Circuit Breaker

ETEK[®]

Standard_ IEC61008-1
IEC62423



Technical Data

| | | |
|---------------------|--|---|
| Electrical Features | Mode | Electromagnetic |
| | Type(wave form of the earth leakage sensed) | B |
| | Rated current I _n | 25,40,63A |
| | Poles | 4P |
| | Rated voltage U _e | 4P 415V~ |
| | Insulation voltage U _i | 500V |
| | Rated frequency | 50/60Hz |
| | Rated residual operation current(I _{Δn}) | 30mA |
| | Rated residual making and breaking capacity (I _{Δm}) | 500(I _n =2540A) 630(I _n =63A) |
| | Short-circuit current I _{nc} = I _{Δc} | 10,000A |
| | SCPD fuse |  10000 |
| | Break time under I _{Δn} | ≤0.1s |
| | Rated impulse withstand voltage(1.5/50) U _{imp} | 4000V |
| | Dielectric test voltage at ind.Freq. for 1min | 2.5kV |
| | Electrical life | 2,000 Cycles |
| | Mechanical life | 4,000 Cycles |

| | | |
|--------------|---|--|
| Installation | Contact position indicator | Yes |
| | Protection degree | IP20 |
| | Ambient temperature(with daily average ≤35°C) | -5°C~+40°C |
| | Storage temperature | -25°C~+70°C |
| | Terminal connection type | Cable/Pin-type busbar/U-type busbar |
| | Terminal size top/bottom for cable | 25mm ² 18-3AWG |
| | Terminal size top/bottom for busbar | 25mm ² 18-3AWG |
| | Tightening torque | 2.5Nm 22In-lbs |
| | Mounting | On DIN rail EN60715(35mm) by means of fast clip device |
| | Connection | From top and bottom |



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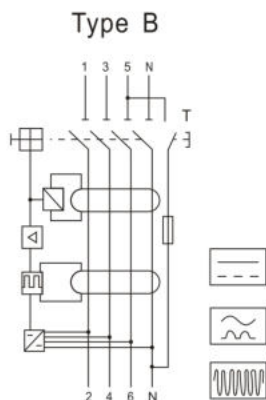


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| Tripping Current Range | Lagging Angle | $I_{\Delta n} > 0.01A$ | $I_{\Delta n} \leq 0.01A$ |
|------------------------|---------------|---|---|
| | 0° | $0.35I_{\Delta n} \leq I_{\Delta} \leq 1.4I_{\Delta n}$ | $0.35I_{\Delta n} \leq I_{\Delta} \leq 2I_{\Delta n}$ |
| | 90° | $0.25I_{\Delta n} \leq I_{\Delta} \leq 1.4I_{\Delta n}$ | $0.25I_{\Delta n} \leq I_{\Delta} \leq 2I_{\Delta n}$ |
| | 135° | $0.11I_{\Delta n} \leq I_{\Delta} \leq 1.4I_{\Delta n}$ | $0.11I_{\Delta n} \leq I_{\Delta} \leq 2I_{\Delta n}$ |

| Detectable wave form | Pulsating direct current sensitive | Surge current proof |
|---|---|---|
| <p>B class</p> <p>Tripping is ensured for sinusoidal AC residual currents, pulsed DC residual currents, alternating residual sinusoidal currents up to 1000Hz, pulsating direct residual currents and for smooth direct residual currents, whether applied suddenly or increasing slowly.</p> |  <p>They react to AC and pulsating DC fault current which reach 0 or almost 0 within one time period of the mains frequency.</p> |  <p>RCCB' s surge capacity. Not tripping at standardized 8/20 us surge-current waves acc.to VDE 0432 Part 2 with surge current values of up to 250A.</p> |

Circuit Diagram



Overall and Installation Dimension(mm)

