
Specifications | Combined RCD/MCB Devices PKP.2, 2-pole

Description

- Combined RCD/MCB Devices
- Line voltage-independent tripping
- Compatible with standard busbar
- Twin-purpose terminal (lift/open-mouthed) above and below
- Busbar positioning optionally above or below
- Free terminal space despite installed busbar
- Guide for secure terminal connection
- Switching toggle (MCB component) in colour designating the rated current
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Comprehensive range of accessories can be mounted subsequently
- The test key "T" must be pressed every 6 month. The system operator must be informed of this obligation and his responsibility in a way that can be proven (self-adhesive RCD-label enclosed). The test interval of 6 month is valid for residential and similar applications. Under all other conditions (e.g. damply or dusty environments), it's recommended to test in shorter intervals (e.g. monthly).
- Pressing the test key "T" serves the only purpose of function testing the residual current device (RCD). This test does not make earthing resistance measurement (R_E), or proper checking of the earth conductor condition redundant, which must be performed separately.
- **Type -A:** Protects against special forms of residual pulsating DC which have not been smoothed.
- **Type -F:** Sensitive to pulsating DC residual current and detection of multi-frequency residual currents up to 1 kHz
 - Increased protection due to the detection of mixed frequencies
 - Higher load rating with DC residual currents up to 10 mA
 - Reduction of nuisance tripping thanks to time delayed tripping and increased current withstand capability of 3 kA
 Recommended for washing machines, dish washers, or motor applications with single-phase drives.
- **Type -G/A:** High reliability against unwanted tripping. Suitable for any circuit where personal injury or damage to property may occur in case of unwanted tripping. Additionally protects against special forms of residual pulsating DC which have not been smoothed.
- **OL types:** Specifically designed to fulfill the tripping characteristic requirements of I2 E Iz in the Norwegian electrotechnical standard NEK 400-8-823. 10:28.

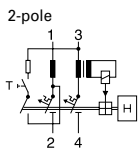
Accessories:

| | | |
|--|-----------|----------------|
| Tripping signal switch for subsequent installation | ZP-IHK | 286052 |
| Shunt trip release | ZP-ASA/.. | 248438, 248439 |

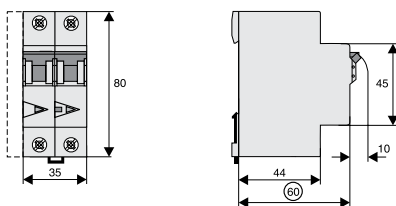
Technical Data

| | | PKP2, 2-pole |
|---|-----------------|--|
| Electrical | | |
| Design according to | | IEC/EN 61009 |
| Current test marks as printed onto the device | | |
| Line voltage-independent tripping | | instantaneous surge current proof 250 A (8/20 μ s) surge current proof 3 kA (F, -G/A, -G/A-OL) (8/20 μ s) |
| Rated voltage | U_e | 230 V AC; 50 Hz |
| Operational voltage range | | 196-253 V |
| Rated tripping current | $I_{\Delta n}$ | 30, 100, 300 mA |
| Rated non-tripping current | $I_{\Delta no}$ | 0.5 $I_{\Delta n}$ |
| Sensitivity | | AC and pulsating DC, Type F |
| Selectivity class | | 3 |
| Rated breaking capacity | I_{cn} | |
| PKPM2 | | 10 kA |
| PKP62 | | 6 kA |
| PKP42 | | 4.5 kA |
| Rated current | | 6 - 40 A |
| Rated impulse withstand voltage | U_{imp} | 4 kV (1.2/50 μ s) |
| Characteristic | | B, C |
| Maximum back-up fuse (short-circuit) | | 100 A gL (>10 kA) |
| Endurance | | |
| electrical components | | \geq 4,000 switching operations |
| mechanical components | | \geq 20,000 switching operations |
| Mechanical | | |
| Frame size | | 45 mm |
| Device height | | 80 mm |
| Device width | | 35 mm (2 MU) |
| Mounting | | 3-position DIN rail clip, permits removal from existing busbar system |
| Degree of protection, switch | | IP20 |
| Degree of protection, built-in | | IP40 |
| Upper and lower terminals | | open-mouthed/lift terminals |
| Terminal protection | | finger and hand touch safe, DGUV VS3, EN 50274 |
| Terminal capacity | | 1 - 25 mm ² |
| Terminal torque | | 2 - 2.4 Nm |
| Busbar thickness | | 0.8 - 2 mm |
| Operating temperature | | -25°C to +40°C |
| Storage- and transport temperature | | -35°C to +60°C |
| Resistance to climatic conditions | | according to IEC/EN 61009 |

Connection diagram



Dimensions (mm)



PKPM2: Influence of ambient temperature on load carrying capacity

- Values = max. allowed current in Ampere at the specific temperature
- Temperature factor (%/K) = 0.5

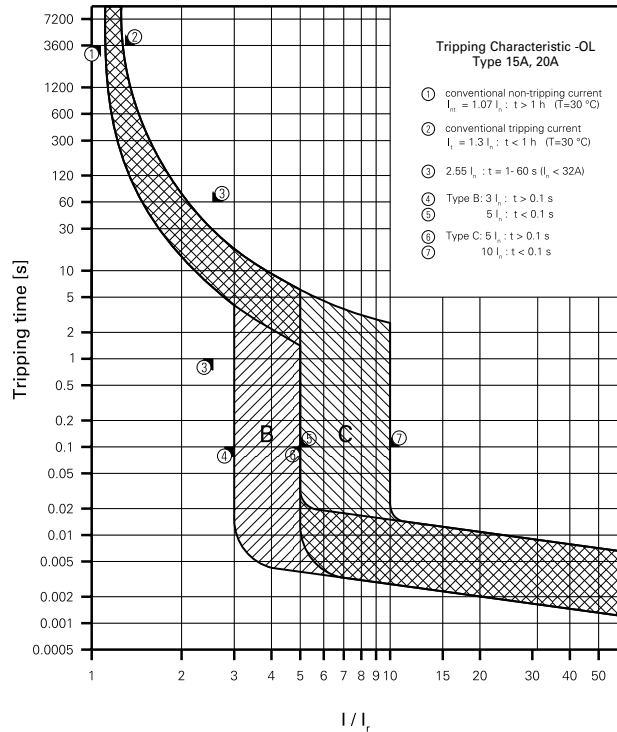
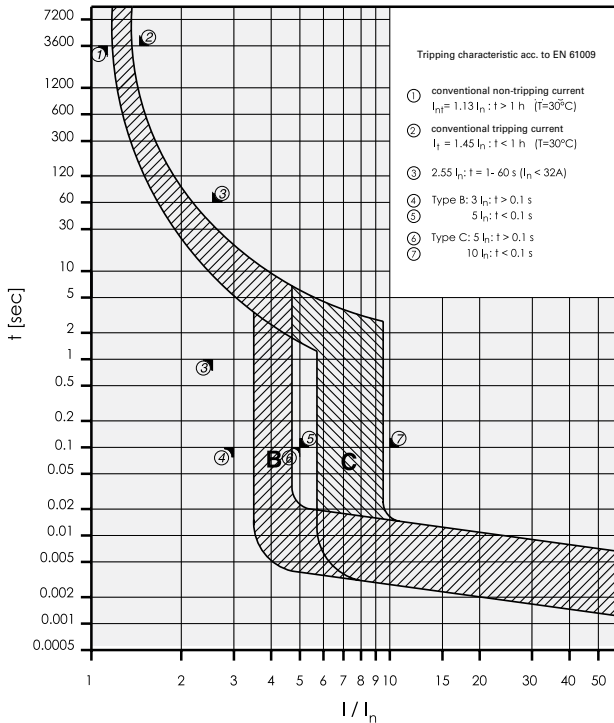
| I_n [A] | Ambient temperature / °C | | | | | | | | | |
|-----------|--------------------------|------|------|------|------|------|------|------|------|------|
| | -40 | -30 | -25 | -20 | -10 | 0 | 10 | 20 | 30 | 40 |
| 6 | 8.1 | 7.8 | 7.7 | 7.5 | 7.2 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 |
| 10 | 13.5 | 13.0 | 12.8 | 12.5 | 12.0 | 11.5 | 11.0 | 10.5 | 10.0 | 9.5 |
| 13 | 17.6 | 16.9 | 16.6 | 16.3 | 15.6 | 15.0 | 14.3 | 13.7 | 13.0 | 12.4 |
| 16 | 21.6 | 20.8 | 20.4 | 20.0 | 19.2 | 18.4 | 17.6 | 16.8 | 16.0 | 15.2 |
| 20 | 27.0 | 26.0 | 25.5 | 25.0 | 24.0 | 23.0 | 22.0 | 21.0 | 20.0 | 19.0 |

PKP62, PKP42: Influence of ambient temperature on load carrying capacity

- Values = max. allowed current in Ampere at the specific temperature
- Temperature factor (%/K) = 0.5

| I_n [A] | Ambient temperature / °C | | | | | | | | | |
|-----------|--------------------------|------|------|------|------|------|------|------|------|------|
| | -40 | -30 | -25 | -20 | -10 | 0 | 10 | 20 | 30 | 40 |
| 6 | 8.1 | 7.8 | 7.7 | 7.5 | 7.2 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 |
| 10 | 13.5 | 13.0 | 12.8 | 12.5 | 12.0 | 11.5 | 11.0 | 10.5 | 10.0 | 9.5 |
| 13 | 17.6 | 16.9 | 16.6 | 16.3 | 15.6 | 15.0 | 14.3 | 13.7 | 13.0 | 12.4 |
| 16 | 21.6 | 20.8 | 20.4 | 20.0 | 19.2 | 18.4 | 17.6 | 16.8 | 16.0 | 15.2 |
| 20 | 27.0 | 26.0 | 25.5 | 25.0 | 24.0 | 23.0 | 22.0 | 21.0 | 20.0 | 19.0 |
| 25 | 33.8 | 32.5 | 31.9 | 31.3 | 30.0 | 28.8 | 27.5 | 26.3 | 25.0 | 23.8 |
| 32 | 43.2 | 41.6 | 40.8 | 40.0 | 38.4 | 36.8 | 35.2 | 33.6 | 32.0 | 30.4 |
| 40 | 54.0 | 52.0 | 51.0 | 50.0 | 48.0 | 46.0 | 44.0 | 42.0 | 40.0 | 38.0 |

Tripping Characteristic PKP.2, Characteristics B and C



Short-circuit Selectivity PKPM2 towards Neozed¹⁾ / Diazed²⁾ / NH00³⁾

Short-circuit currents in kA, rated currents of fuses in A

Short-circuit selectivity **PKPM2** towards **Neozed** ¹⁾

| PKPM2 Neozed¹⁾ | |
|----------------------------------|--|
| I_n [A] | 16 20 25 32 35 40 50 63 80 100 |
| B10 | <0.5 0.5 0.9 2 2.3 3.7 8 10 10 10 |
| B13 | <0.5 0.5 0.8 1.7 1.9 3 6 10 10 10 |
| B16 | 0.5 0.7 1.5 1.7 2.4 4.4 6.8 10 10 |
| B20 | 0.7 1.4 1.5 2.2 3.9 6 9.2 10 |
| C10 | <0.5 0.5 0.8 1.7 1.9 3 6.1 10 10 10 |
| C13 | <0.5 0.5 0.7 1.6 1.8 2.8 5.5 9.5 10 10 |
| C16 | <0.5 0.7 1.3 1.5 2.2 4 6.2 10 10 |
| C20 | 0.6 1.3 1.4 2.1 3.7 5.6 8.5 10 |

Short-circuit selectivity **PKPM2** towards **Diazed** ²⁾

| PKPM2 Diazed²⁾ | |
|----------------------------------|------------------------------------|
| I_n [A] | 16 20 25 32 35 50 63 80 100 |
| B10 | <0.5 0.5 0.9 1.8 2.9 5.6 10 10 10 |
| B13 | <0.5 0.5 0.8 1.5 2.4 4.5 10 10 10 |
| B16 | 0.5 0.8 1.3 2 3.4 8 10 10 |
| B20 | 0.7 1.3 1.9 3.1 7.1 10 10 |
| C10 | <0.5 0.5 0.8 1.5 2.4 4.4 10 10 10 |
| C13 | <0.5 0.5 0.8 1.4 2.3 4.2 10 10 10 |
| C16 | <0.5 0.7 1.2 1.9 3.2 7.6 10 10 |
| C20 | 0.7 1.2 1.8 2.9 6.5 9.7 10 |

Short-circuit selectivity **PKPM2** towards **NH00** ³⁾

| PKPM2 NH00³⁾ | |
|--------------------------------|---|
| I_n [A] | 16 20 25 32 35 40 50 63 80 100 125 160 |
| B10 | <0.5 <0.5 0.8 1.5 2.3 3.2 5.7 9.1 10 10 10 10 |
| B13 | <0.5 <0.5 0.8 1.3 1.9 2.7 4.4 6.5 10 10 10 10 |
| B16 | <0.5 0.7 1.1 1.6 2.2 3.4 4.8 8 10 10 10 |
| B20 | 0.6 1 1.4 2 3.1 4.3 7 10 10 10 |
| C10 | <0.5 <0.5 0.7 1.3 1.9 2.7 4.5 6.9 10 10 10 10 |
| C13 | <0.5 <0.5 0.7 1.2 1.8 2.5 4.1 6.1 10 10 10 10 |
| C16 | <0.5 0.6 1 1.5 2 3.1 4.4 7.5 10 10 10 |
| C20 | 0.6 0.9 1.4 1.9 2.9 4.1 6.5 10 10 10 |

Darker areas: no selectivity

- ¹⁾ SIEMENS Type 5SE2; Size: D01, D02, D03; Operating class gG; Rated voltage: AC 400 V/DC 250 V
- ²⁾ SIEMENS Type 5SB2, 5SB4, 5SC2; Size: DII, DIII, DIV; Operating class gG; Rated voltage: AC 500 V/DC 500 V
- ³⁾ SIEMENS Type 3NA3 8, 3NA6 8, 3NA7 8; Size: 000, 00; Operating class gG; Rated voltage: AC 500 V/DC 250 V

Short-circuit Selectivity PKP62 towards Neozed¹⁾ / Diazed²⁾ / NH00³⁾

Short-circuit currents in kA, rated currents of fuses in A

Short-circuit selectivity **PKP62** towards **Neozed** ¹⁾

| PKP62 | Neozed ¹⁾ | | | | | | | | | |
|--------------------|----------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| I _n [A] | 16 | 20 | 25 | 32 | 35 | 40 | 50 | 63 | 80 | 100 |
| B10 | <0.5 | 0.5 | 0.9 | 2 | 2.3 | 3.7 | 6 | 6 | 6 | 6 |
| B13 | <0.5 | 0.5 | 0.8 | 1.7 | 1.9 | 3 | 6 | 6 | 6 | 6 |
| B16 | | 0.5 | 0.7 | 1.5 | 1.7 | 2.4 | 4.4 | 6 | 6 | 6 |
| B20 | | | 0.7 | 1.4 | 1.5 | 2.2 | 4 | 6 | 6 | 6 |
| B25 | | | | 1.2 | 1.3 | 1.8 | 3.1 | 4.7 | 6 | 6 |
| B32 | | | | | 1.2 | 1.7 | 2.7 | 3.8 | 5.5 | 6 |
| B40 | | | | | | 1.3 | 1.7 | 2.2 | 2.7 | 4.2 |
| C10 | <0.5 | 0.5 | 0.8 | 1.7 | 1.9 | 3 | 6 | 6 | 6 | 6 |
| C13 | <0.5 | 0.5 | 0.7 | 1.6 | 1.8 | 2.8 | 5.5 | 6 | 6 | 6 |
| C16 | | <0.5 | 0.7 | 1.3 | 1.5 | 2.2 | 4 | 6 | 6 | 6 |
| C20 | | | 0.6 | 1.3 | 1.4 | 2.1 | 3.7 | 5.6 | 6 | 6 |
| C25 | | | | 1.1 | 1.3 | 1.8 | 2.8 | 3.9 | 5.6 | 6 |
| C32 | | | | | 1.2 | 1.7 | 2.6 | 3.6 | 5.1 | 6 |
| C40 | | | | | | 1.3 | 1.9 | 3.3 | 3.2 | 5.8 |

Short-circuit selectivity **PKP62** towards **Diazed** ¹⁾

| PKP62 | Diazed ²⁾ | | | | | | | | | |
|--------------------|----------------------|------|-----|-----|-----|-----|-----|-----|-----|--|
| I _n [A] | 16 | 20 | 25 | 32 | 35 | 50 | 63 | 80 | 100 | |
| B10 | <0.5 | 0.5 | 0.9 | 1.8 | 2.9 | 5.6 | 6 | 6 | 6 | |
| B13 | <0.5 | 0.5 | 0.8 | 1.5 | 2.4 | 4.5 | 6 | 6 | 6 | |
| B16 | | 0.5 | 0.8 | 1.3 | 2 | 3.4 | 6 | 6 | 6 | |
| B20 | | | 0.7 | 1.3 | 1.9 | 3.1 | 6 | 6 | 6 | |
| B25 | | | | 1.1 | 1.5 | 2.4 | 5.5 | 6 | 6 | |
| B32 | | | | | 1.4 | 2.1 | 4.3 | 6 | 6 | |
| B40 | | | | | | 1.4 | 2.4 | 2.9 | 5.1 | |
| C10 | <0.5 | 0.5 | 0.8 | 1.5 | 2.4 | 4.4 | 6 | 6 | 6 | |
| C13 | <0.5 | 0.5 | 0.8 | 1.4 | 2.3 | 4.2 | 6 | 6 | 6 | |
| C16 | | <0.5 | 0.7 | 1.2 | 1.9 | 3.2 | 6 | 6 | 6 | |
| C20 | | | 0.7 | 1.2 | 1.8 | 2.9 | 6 | 6 | 6 | |
| C25 | | | | 1.1 | 1.5 | 2.3 | 4.4 | 6 | 6 | |
| C32 | | | | | 1.4 | 2.2 | 4.1 | 5.6 | 6 | |
| C40 | | | | | | 1.6 | 2.8 | 3.6 | 6 | |

Short-circuit selectivity **PKP62** towards **NH00** ³⁾

| PKP62 | NH00 ³⁾ | | | | | | | | | | | | |
|--------------------|--------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| I _n [A] | 16 | 20 | 25 | 32 | 35 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | |
| B10 | <0.5 | <0.5 | 0.8 | 1.5 | 2.3 | 3.2 | 5.7 | 6 | 6 | 6 | 6 | 6 | |
| B13 | <0.5 | <0.5 | 0.8 | 1.3 | 1.9 | 2.7 | 4.4 | 6 | 6 | 6 | 6 | 6 | |
| B16 | | <0.5 | 0.7 | 1.1 | 1.6 | 2.2 | 3.4 | 4.8 | 6 | 6 | 6 | 6 | |
| B20 | | | 0.6 | 1 | 1.4 | 2 | 3.1 | 4.3 | 6 | 6 | 6 | 6 | |
| B25 | | | | 0.9 | 1.2 | 1.6 | 2.4 | 3.4 | 5.5 | 6 | 6 | 6 | |
| B32 | | | | | 1.1 | 1.4 | 2.1 | 2.9 | 4.3 | 6 | 6 | 6 | |
| B40 | | | | | | | 1.4 | 1.9 | 2.8 | 4.1 | 6 | 6 | |
| C10 | <0.5 | <0.5 | 0.7 | 1.3 | 1.9 | 2.7 | 4.5 | 6 | 6 | 6 | 6 | 6 | |
| C13 | <0.5 | <0.5 | 0.7 | 1.2 | 1.8 | 2.5 | 4.1 | 6 | 6 | 6 | 6 | 6 | |
| C16 | | <0.5 | 0.6 | 1 | 1.5 | 2 | 3.1 | 4.4 | 6 | 6 | 6 | 6 | |
| C20 | | | 0.6 | 0.9 | 1.4 | 1.9 | 2.9 | 4.1 | 6 | 6 | 6 | 6 | |
| C25 | | | | 0.9 | 1.2 | 1.6 | 2.3 | 3 | 4.6 | 6 | 6 | 6 | |
| C32 | | | | | 1.1 | 1.5 | 2.1 | 2.8 | 4.3 | 6 | 6 | 6 | |
| C40 | | | | | | | 1.5 | 2.1 | 3.1 | 5.4 | 6 | 6 | |

Darker areas: no selectivity

¹⁾ SIEMENS Type 5SE2; Size: D01, D02, D03; Operating class gG; Rated voltage: AC 400 V/DC 250 V

²⁾ SIEMENS Type 5SB2, 5SB4, 5SC2; Size: DII, DIII, DIV; Operating class gG; Rated voltage: AC 500 V/DC 500 V

³⁾ SIEMENS Type 3NA3 8, 3NA6 8, 3NA7 8; Size: 000, 00; Operating class gG; Rated voltage: AC 500 V/DC 250 V

Short-circuit Selectivity PKP42 towards Neozed¹⁾ / Diazed²⁾ / NH00³⁾

Short-circuit currents in kA, rated currents of fuses in A

Short-circuit selectivity **PKP42** towards **Neozed** ¹⁾

| PKP42 | Neozed ¹⁾ | | | | | | | | | | |
|------------|----------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | I _n [A] | 16 | 20 | 25 | 32 | 35 | 40 | 50 | 63 | 80 | 100 |
| B10 | <0.5 | 0.5 | 0.9 | 2 | 2.3 | 3.7 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B13 | <0.5 | 0.5 | 0.8 | 1.7 | 1.9 | 3 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B16 | | 0.5 | 0.7 | 1.5 | 1.7 | 2.4 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 |
| B20 | | | 0.7 | 1.4 | 1.5 | 2.2 | 4 | 4.5 | 4.5 | 4.5 | 4.5 |
| B25 | | | | 1.2 | 1.3 | 1.8 | 3.1 | 4.7 | 4.5 | 4.5 | 4.5 |
| B32 | | | | | 1.2 | 1.7 | 2.7 | 3.8 | 4.5 | 4.5 | 4.5 |
| B40 | | | | | | 1.3 | 1.7 | 2.2 | 2.7 | 4.2 | 4.2 |
| C10 | <0.5 | 0.5 | 0.8 | 1.7 | 1.9 | 3 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| C13 | <0.5 | 0.5 | 0.7 | 1.6 | 1.8 | 2.8 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| C16 | | <0.5 | 0.7 | 1.3 | 1.5 | 2.2 | 4 | 4.5 | 4.5 | 4.5 | 4.5 |
| C20 | | | 0.6 | 1.3 | 1.4 | 2.1 | 3.7 | 4.5 | 4.5 | 4.5 | 4.5 |
| C25 | | | | 1.1 | 1.3 | 1.8 | 2.8 | 3.9 | 4.5 | 4.5 | 4.5 |
| C32 | | | | | 1.2 | 1.7 | 2.6 | 3.6 | 4.5 | 4.5 | 4.5 |
| C40 | | | | | | 1.3 | 1.9 | 3.3 | 3.2 | 4.5 | 4.5 |

Short-circuit selectivity **PKP42** towards **Diazed** ¹⁾

| PKP42 | Diazed ²⁾ | | | | | | | | | |
|------------|----------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | I _n [A] | 16 | 20 | 25 | 32 | 35 | 50 | 63 | 80 | 100 |
| B10 | <0.5 | 0.5 | 0.9 | 1.8 | 2.9 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B13 | <0.5 | 0.5 | 0.8 | 1.5 | 2.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B16 | | 0.5 | 0.8 | 1.3 | 2 | 3.4 | 4.5 | 4.5 | 4.5 | 4.5 |
| B20 | | | 0.7 | 1.3 | 1.9 | 3.1 | 4.5 | 4.5 | 4.5 | 4.5 |
| B25 | | | | 1.1 | 1.5 | 2.4 | 4.5 | 4.5 | 4.5 | 4.5 |
| B32 | | | | | 1.4 | 2.1 | 4.3 | 4.5 | 4.5 | 4.5 |
| B40 | | | | | | 1.4 | 2.4 | 2.9 | 4.5 | 4.5 |
| C10 | <0.5 | 0.5 | 0.8 | 1.5 | 2.4 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 |
| C13 | <0.5 | 0.5 | 0.8 | 1.4 | 2.3 | 4.2 | 4.5 | 4.5 | 4.5 | 4.5 |
| C16 | | <0.5 | 0.7 | 1.2 | 1.9 | 3.2 | 4.5 | 4.5 | 4.5 | 4.5 |
| C20 | | | 0.7 | 1.2 | 1.8 | 2.9 | 4.5 | 4.5 | 4.5 | 4.5 |
| C25 | | | | 1.1 | 1.5 | 2.3 | 4.4 | 4.5 | 4.5 | 4.5 |
| C32 | | | | | 1.4 | 2.2 | 4.1 | 4.5 | 4.5 | 4.5 |
| C40 | | | | | | 1.6 | 2.8 | 3.6 | 4.5 | 4.5 |

Short-circuit selectivity **PKP42** towards **NH00** ³⁾

| PKP42 | NH00 ³⁾ | | | | | | | | | | | | |
|------------|--------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | I _n [A] | 16 | 20 | 25 | 32 | 35 | 40 | 50 | 63 | 80 | 100 | 125 | 160 |
| B10 | <0.5 | <0.5 | 0.8 | 1.5 | 2.3 | 3.2 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B13 | <0.5 | <0.5 | 0.8 | 1.3 | 1.9 | 2.7 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B16 | | <0.5 | 0.7 | 1.1 | 1.6 | 2.2 | 3.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B20 | | | 0.6 | 1 | 1.4 | 2 | 3.1 | 4.3 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B25 | | | | 0.9 | 1.2 | 1.6 | 2.4 | 3.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| B32 | | | | | 1.1 | 1.4 | 2.1 | 2.9 | 4.3 | 4.5 | 4.5 | 4.5 | 4.5 |
| B40 | | | | | | | 1.4 | 1.9 | 2.8 | 4.1 | 4.5 | 4.5 | 4.5 |
| C10 | <0.5 | <0.5 | 0.7 | 1.3 | 1.9 | 2.7 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| C13 | <0.5 | <0.5 | 0.7 | 1.2 | 1.8 | 2.5 | 4.1 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| C16 | | <0.5 | 0.6 | 1 | 1.5 | 2 | 3.1 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| C20 | | | 0.6 | 0.9 | 1.4 | 1.9 | 2.9 | 4.1 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |

Darker areas: no selectivity

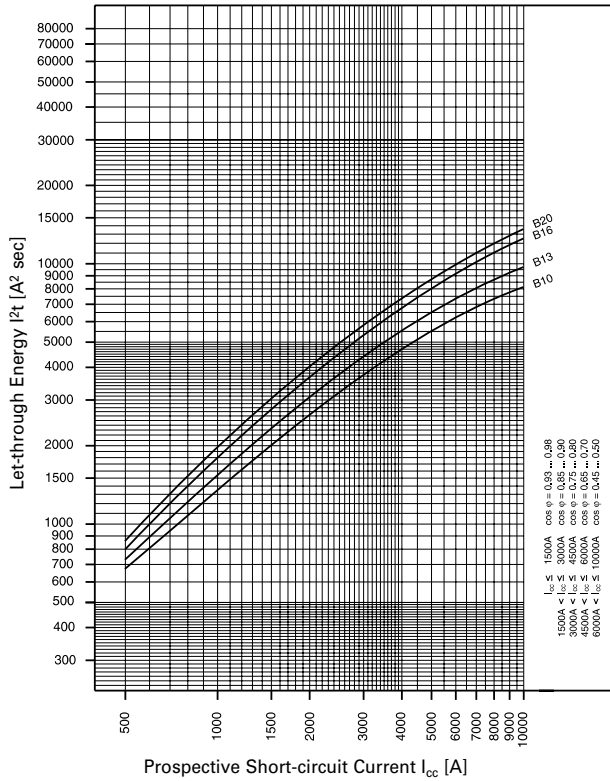
¹⁾ SIEMENS Type 5SE2; Size: D01, D02, D03; Operating class gG; Rated voltage: AC 400 V/DC 250 V

²⁾ SIEMENS Type 5SB2, 5SB4, 5SC2; Size: DII, DIII, DIV; Operating class gG; Rated voltage: AC 500 V/DC 500 V

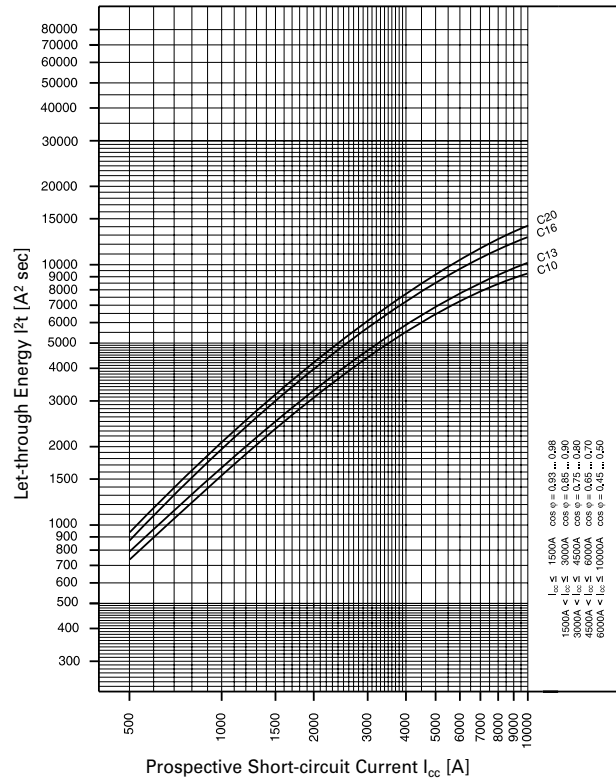
³⁾ SIEMENS Type 3NA3 8, 3NA6 8, 3NA7 8; Size: 000, 00; Operating class gG; Rated voltage: AC 500 V/DC 250 V

Let-through Energy PKP.2-../2/

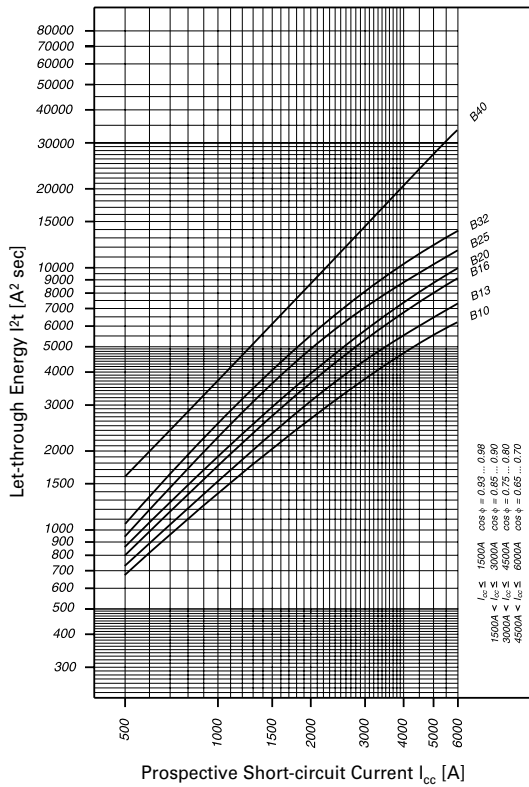
Let-through Energy PKPM2, Characteristic B, 2-pole



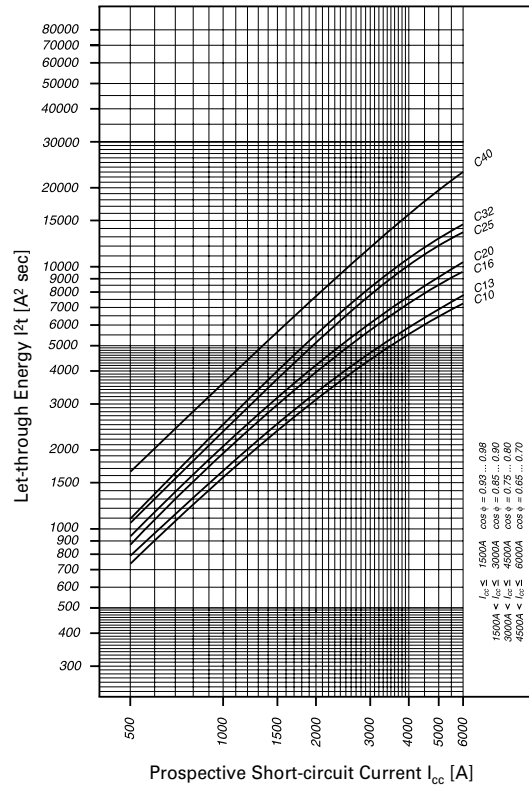
Let-through Energy PKPM2, Characteristic C, 2-pole



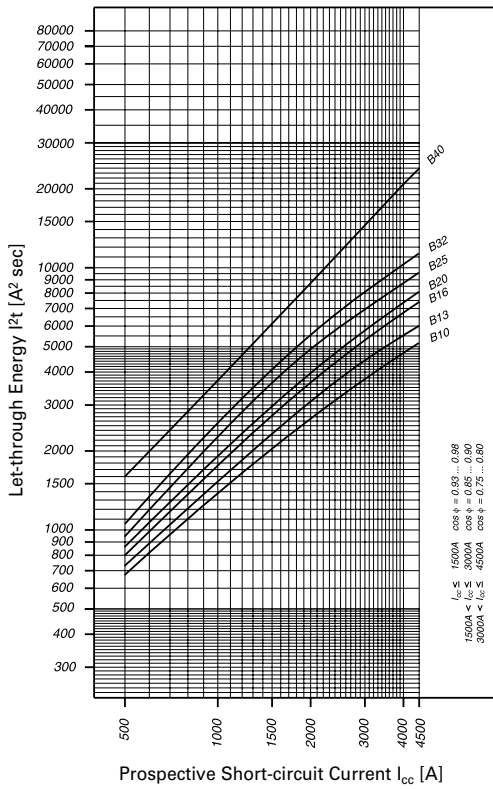
Let-through Energy PKP62, Characteristic B, 2-pole



Let-through Energy PKP62, Characteristic C, 2-pole



Let-through Energy PKP42, Characteristic B, 2-pole



Let-through Energy PKP42, Characteristic C, 2-pole

